Certification

MOSFET MANUFACTURER

Application Scheme

Sample application

VBsemi Electronics Co.,Ltd

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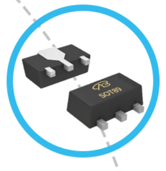
VBsemi®

VBsemi MOS Product Guide

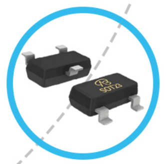


8-INCH Wafer Uses TSMC

Provide personalized control parameters

Technical support, PIN TO PIN selection

Strong technical research and development team

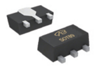


ID(A)	Vds(V)
0.5A-450A	12V-900V

High performance

High reliability

low Rds(ON)

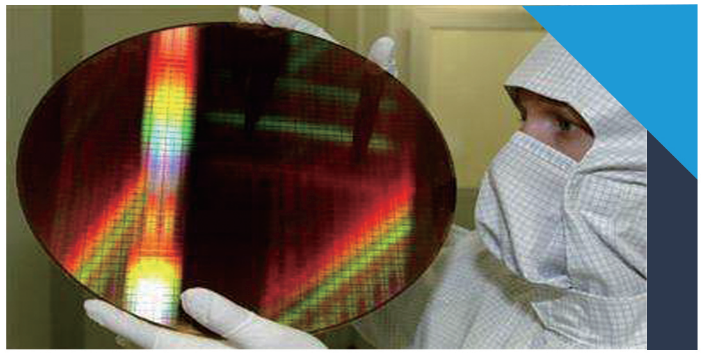


微碧半导体 / VBsemi

www.VBsemi.com

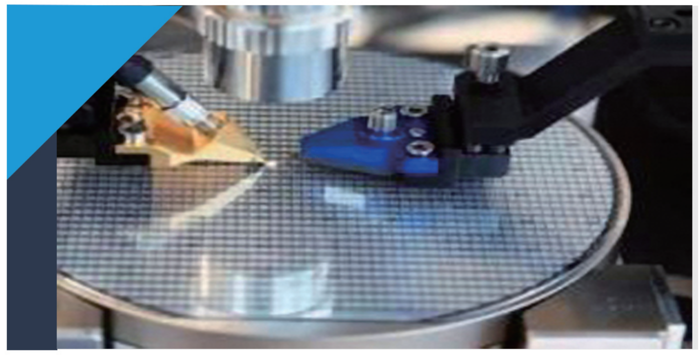
MADE IN CHINA ！
Is our development tenet

Products are assured through a sound quality control system that meets all industry standards.

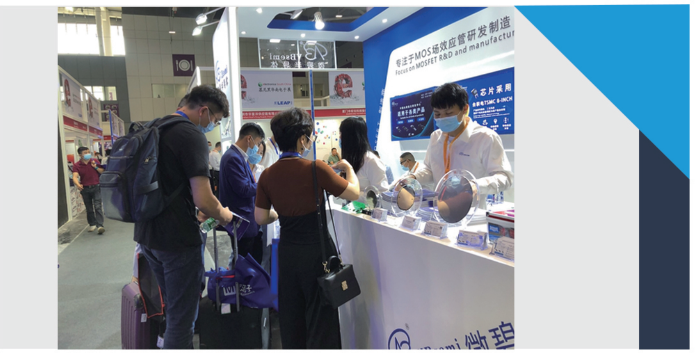


Founded in the spring of 2003, VBsemi. is a professional manufacturer of MOSFET medium-low voltage, over-junction MOS, wafer development and design, packaging and testing, sales services, technical support for the integration of national high-tech Enterprises.

The R & D Center is located in Hsinchu City, Taiwan Province, China. Up to now, the R & D team has 31 engineering and technical personnel from world-famous enterprises (IR, TI, AO, St, etc.) and trained by themselves, more than 600 front-line staff, service groups more than 60 people.



We take our own brand“VBSEMI” and take it as the core, actively batch development, committed to serving the high-end market terminal manufacturers, the overall production system strictly implement ISO9001 international quality standards, the company has more than 20 patents, software copyright and various honorary titles, while also the introduction of a number of high-end equipment.



Including power device DC parameters detection, avalanche energy detection, reliability experiments, system analysis, failure analysis and other fields, master a number of FET core manufacturing technology,, MOSFET manufacturers tailor-made, all-round solutions for customers.

Our customers benefit from our competitive prices and dependable quality.Our VBsemi MOSFET are used all around the world, including the Korea, Japans, the Middle East, and India.

VBsemi’ s technicians perform frequent on-site inspections to ensure that only the highest quality products are made. We also believe in maintaining a strong and close relationship with our business partners.

Any concerns or questions you may have will be answered quickly.

Company Culture

VBsemi

Spirit of enterprise : Daring to be the first ,fighting our way upward ,working hard innovating pragmatically and science harmonious.

Enterprise purpose : Advancing with times ,guiding the trend,starting the future and serving human.

Business goals : Being the model in our industry and being famous in the word brand .

Enterprise value : Brand + Staff +Dedication = The Value Of Enterprise.

Corporate philosophy : concept guides the ideas,ideas promote innovation ,quality casts brand ,efficiency improve speed ,science creates perfect.

Business philosophy : Persistent to work hard,promotion of marking by open ,creation an environment ,extension of market with our service.

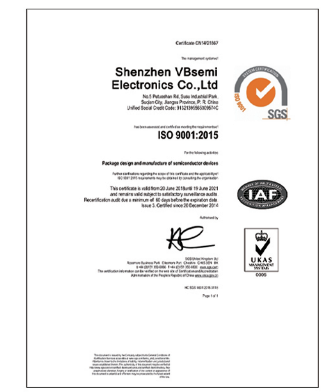
Quality policy : Everybody is got involved the leaders need attention,taking special emphasis,creation in science ,accessing to the market with excellent quality .

Quality concept : Quality casts VBsemi brand and make VBsemi famous all over the word.

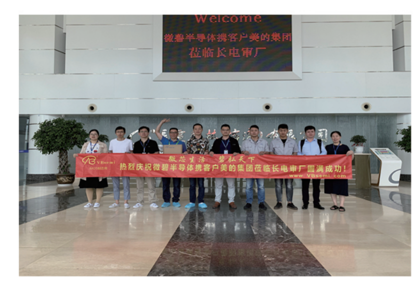
Market concept : Building a “partnership” environment on the basis of “win”benefits, getting production and marking together because of our common fate.

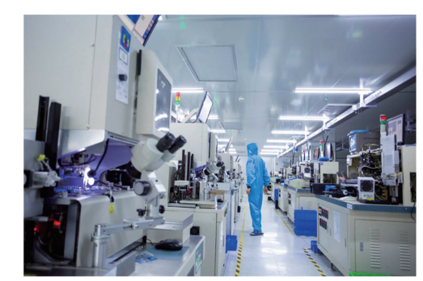
Service Concept : Customer first,integrity-based! Customer satisfaction is our eternal pursuit!

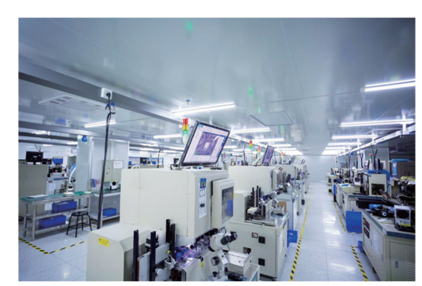
Certification



Production Environment







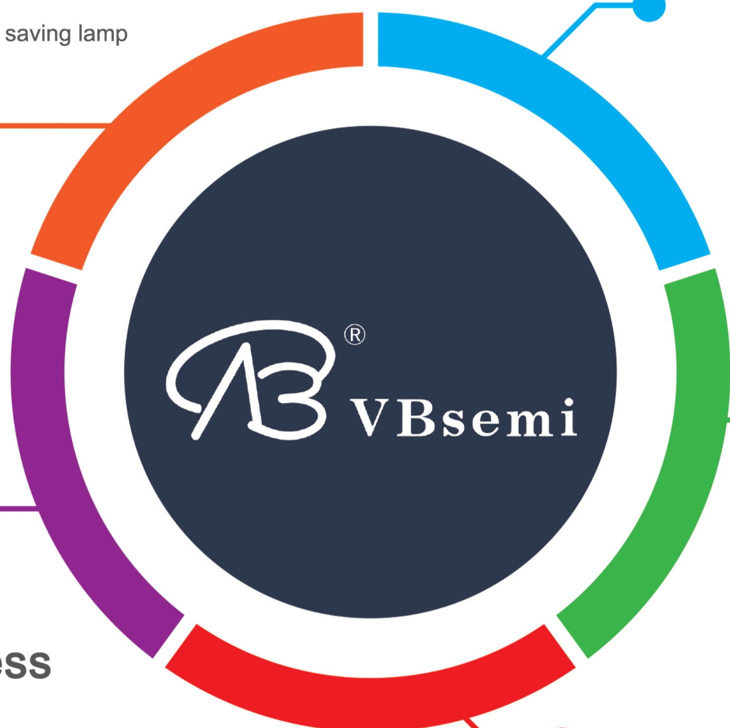
Application Field

01 Green Lighting

- LED lighting power supply
- Metal halide lamp ballast
- CCFL energy saving lamp

02 Transportation

- Auto HID stabilizer
- On-board inverter
- Protective Plate for lithium battery



04 Energy

- Charging Column
- Reserve power supply

03 Electrical appliancess

- Power adapter
- Washing Machine
- PC power

05 Traditional Industry

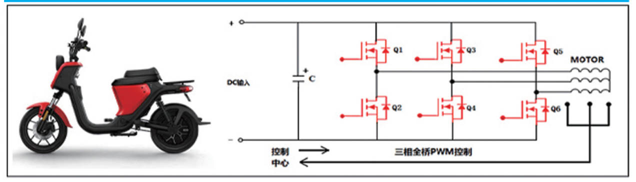
- Industrial switching power supply
- Step Motor Drive
- Electric drill

Industry partners

VIS 世界先進 · tsmc · ASE · JCET

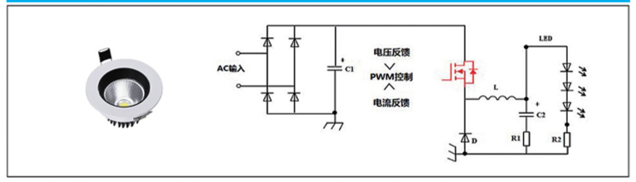
Application Case

Electric Bicycle



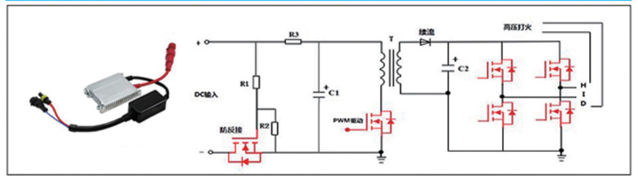
	Part Number	VDSS(v)	RDS(ON)
DC brushless motor	VB1808	80	0.007
	VB1806	80	0.005

LED Lighting



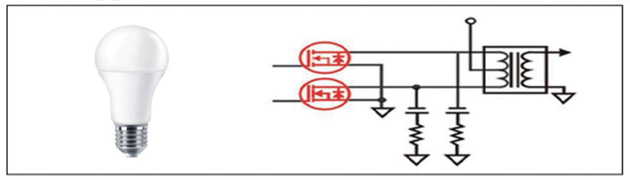
DC low voltage input			
	Part Number	VDSS(v)	RDS(ON)
30V	VB1303	30	0.003
	VB1307	30	0.006
	VB1310	30	0.009
60V	VB1630	60	0.028
	VB1638	60	0.032
	VB1615	60	0.012
100V	VB1101M	100	0.012
	VB1104N	100	0.004
150V	VB1152M	150	0.021
	VB1154M	150	0.038

Automotive HID Ballast



	Part Number	VDSS(v)	RDS(ON)
Circuit protection	VB1307	30	0.007
	VB1615	60	0.014
Circuit protection	VB1808	80	0.006
	VB1101N	100	0.009
	VB1208N	200	0.08
Full-bridge drive	VB155R09	550	1
	VB165R10	650	0.85

Energy Saving Lamp



	Part Number	VDSS(v)	RDS(ON)
500V	VB155R09	550	1
	VB155R133	550	0.6

Partners

HIKVISION · SOLEUSAIR · Haier · OSRAM · PHILIPS · SIEMENS · GREE · Midea

Product Environmental Statement

RoHs

We promise that VBsemi's product series meet the require-ments of
EU RoHs and REACH regulations. VBsemi is committed to the halogen-free MOSFET, and now has the ability to halogen-free products.

EXEMPTION FROM RoHs

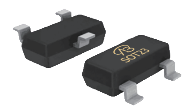
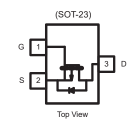
LEAD IS PERMITTED AS AN ALLOYING ELEMENT TO BE PURE IN COPPER BY WEIGHT NOT EXCEEDING 4% ;
IN STEEL BY WEIGHT NOT EXCEEDING 0.35% ;
AND IN ALUMINIUM BY WEIGHT NOT EXCEEDING 4% .
ALUMINUM IS ALLOWED IN THE GLASS OF ELECTRONIC COMPONENTS; ALUMINUM IS ALLOWED IN THE ELECTRONIC CERAMIC PARTS;
ALUMINUM IS ALLOWED TO BE USED IN HIGH MELTING TEMPERATURE WELDING.

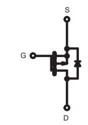
HIGH QUALITY MOSFET MADE IN VBsemi !

Encapsulates the directory

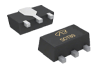
SOT23

MOSFET



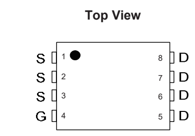
Part Number	Package	Configuration	Vds(V)	Vgs(±V)	Vth(V)	Rds(on) mΩ max2.5V	Rds(on) mΩ max4.5V	Rds(on) mΩ max10V	ID (A)	Remarks
VB1210	SOT23-3	Single-N	20	20	2		10	9	12	
VB1240	SOT23-3	Single-N	20	8	0.45~1	33	24		6	
VB1307N	SOT23-3	Single-N	30	20	1.32		62	47	5	
VB1330	SOT23-3	Single-N	30	20	1.2~2.2		33	30	6.5	
VB1435	SOT23-3	Single-N	40	20	1.2~2.2		40	35	4.8	
VB162K	SOT23-3	Single-N	60	20	1.6		3000	2800	0.3	
VB1695	SOT23-3	Single-N	60	20	1~3		96	85	4	
VB1101M	SOT23-3	Single-N	100	20	1.2~2.8		150	120	4.3	
VB1102M	SOT23-3	Single-N	100	20	2		260	246	2	
VB1106K	SOT23-3	Single-N	100	20	1.28		3000	2800	0.17	
VB1201K	SOT23-3	Single-N	200	20	0.8		1440	1200	0.6	
VB165R01	SOT23-3	Single-N	650	30	1.4			8400	1	
VB2212N	SOT23-3	Single-P	-20	12	-0.84	120	88	71	-3.5	
VB2290	SOT23-3	Single-P	-20	12	-0.81	83	57		-4	
VB2240	SOT23-3	Single-P	-20	12	-0.58	38	32	29	-5	
VB2290A	SOT23-3	Single-P	-20	20	-1.1	89	60	47	-4	
VB2355	SOT23-3	Single-P	-30	20	-1		56	47	-5.6	
VB2470	SOT23-3	Single-P	-40	20	-1.5		110	83	-3.6	
VB2610N	SOT23-3	Single-P	-60	20	-2	85	70		-4.5	
VB264K	SOT23-3	Single-P	-60	20	-1.87		3680	3000	-0.5	
VB2658	SOT23-3	Single-P	-60	20	-2		48	40	-5.2	
VB2101K	SOT23-3	Single-P	-100	20	-2.5		56	50	-1.5	
VB2103K	SOT23-3	Single-P	-100	20	-2.5		3600	3000	-0.3	
VB2201K	SOT23-3	Single-P	-200	20	-1.5		1100	1000	-0.8	
VBB1328	SOT23-3L	Single-N	30	20	1.1		22	16	6.5	
VBB1630	SOT23-3L	Single-N	60	20	1~3		36	30	5.5	
VBB2355	SOT23-3L	Single-P	-30	20	-1~ -3		75	60	-5	
VB7322	SOT23-6	Single-N	30	20	1.2		40	30	6	
VB7638	SOT23-6	Single-N	60	20	1~3		35	30	7	
VB7101M	SOT23-6	Single-N	100	20	2~4		127	100	3.2	
VB7202M	SOT23-6	Single-N	200	20	3		200	160	4	
VB8338	SOT23-6	Single-P	-30	20	-1~-3		54	49	-4.8	
VB8658	SOT23-6	Single-P	-60	20	-1~ -3		60	50	-6.5	
VB8102M	SOT23-6	Single-P	-100	20	-1~-3		230	200	-4.1	
VB3222	SOT23-6	Dual-N	20	12	1.2~2.2	28	22		4.8	
VB9220	SOT23-6	Dual-N	20	20	0.5	28	24		6	
VB3222A	SOT23-6	Dual-N	20	20	1~3		26	22	6	
VB3420	SOT23-6	Dual-N	40	20	1~3		23	20	7.2	
VB362K	SOT23-6	Dual-N	60	20	1~3		1800	1500	0.35	
VB3658	SOT23-6	Dual-N	60	20	1.2		70	58	4.2	
VB3102M	SOT23-6	Dual-N	100	20	2		264	200	2	
VB4290	SOT23-6	Dual-P	-20	12	-1.2~-2.2	100	75		-4	

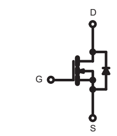


Part Number	Package	Configuration	Vds(V)	Vgs(±V)	Vth(V)	Rds(on) mΩ max2.5V	Rds(on) mΩ max4.5V	Rds(on) mΩ max10V	ID (A)	Remarks
VB4290A	SOT23-6	Dual-P	-20	20	-0.7	90	65		-4	
VB4610N	SOT23-6	Dual-P	-60	20	-1		80	70	-4.5	
VB5222	SOT23-6	Dual-N+P	±20	20	0.71 / -	29 / 106	20 / 70		7 /-4.5	
VB5610N	SOT23-6	Dual-N+P	±60	20	±1~3		120	100	±4	
VB562K	SOT23-6	Dual-N+P	±60	20	±1~3		850/2410	700/2060	0.8/-0.55	

DFN

MOSFET



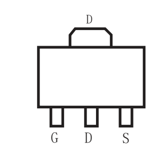
Part Number	Package	Configuration	Vds(V)	Vgs (±V)	Vth(V)	Rds(on) mΩ max2.5V	Rds(on) mΩ max4.5V	Rds(on) mΩ max10V	ID (A)	Remarks
VBQA1101N	DFN8(5X6)	Single-N	100	20	2~4		12	10	63	
VBQA1102N	DFN8(5X6)	Single-N	100	20	2~4		22	18	30	
VBQA1105	DFN8(5X6)	Single-N	100	20	1~3		6	5	100	
VBQA1152N	DFN8(5X6)	Single-N	150	20	2		24	20	35	
VBQA1202	DFN8(5X6)	Single-N	20	12	0.8~2	1.9	2		150	
VBQA1204N	DFN8(5X6)	Single-N	200	20	2		65	54	25	
VBQA1254N	DFN8(5X6)	Single-N	250	20	3		50	42	35	
VBQA1301	DFN8(5X6)	Single-N	30	20	1.2		2	2	180	
VBQA1302	DFN8(5X6)	Single-N	30	20	2		3	2	160	
VBQA1302S	DFN8(5X6)	Single-N	30	20	1.97		4	2	140	
VBQA1303	DFN8(5X6)	Single-N	30	20	1.79		5	3	120	
VBQA1308	DFN8(5X6)	Single-N	30	20	0.82		9	7	80	
VBQA1401	DFN8(5X6)	Single-N	40	20	1~3			1	100	
VBQA1402	DFN8(5X6)	Single-N	40	20	1~3		2	2	123	
VBQA1405	DFN8(5X6)	Single-N	40	20	1.9		6	5	75	
VBQA1603	DFN8(5X6)	Single-N	60	20	2		4	3	100	
VBQA1606	DFN8(5X6)	Single-N	60	20	3.6			6	90	
VBQA1615	DFN8(5X6)	Single-N	60	20	2		18	15	30	
VBQA1638	DFN8(5X6)	Single-N	60	20	1~3		28	24	45	
VBQA1806	DFN8(5X6)	Single-N	80	20	2		7	6	60	
VBQA2104N	DFN8(5X6)	Single-P	-100	20	-1~-3		50	42	-28	
VBQA2303	DFN8(5X6)	Single-P	-30	20	-1.3		3	3	-100	
VBQA2305	DFN8(5X6)	Single-P	-30	20	-1.74		6	4	-120	
VBQA2309	DFN8(5X6)	Single-P	-30	20	-1.5~-2.5		9	8	-60	
VBQA2311	DFN8(5X6)	Single-P	-30	20	-1~-3		13	11	-30	
VBQA2412	DFN8(5X6)	Single-P	-40	20	-1~-3		14	12	-38	
VBQA2625	DFN8(5X6)	Single-P	-60	20	-1~-3		30	25	-27	
VBQA3316	DFN8(5X6)	Dual-N	30	20	1.2~2		22	18	14/22	
VBQA3638	DFN8(5X6)	Dual-N	60	20	1		37	31	17	
VBQA4317	DFN8(5X6)	Dual-P	-30	20	-1~-3		18	16	9/5.8	
VBQA5325	DFN8(5X6)	Dual-N+P	±30	20	±1~3		36	30	±7.6	
VBQA1401	DFN8(5X6)	Single-N	40	20	1.8V			1	100	
VBQA3303G	DFN8(5X6)	Dual-N	30	20	1.2		5	4	60	

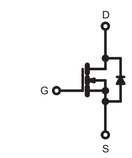
Part Number	Package	Configuration	Vds(V)	Vgs (±V)	Vth(V)	Rds(on) mΩ max2.5V	Rds(on) mΩ max4.5V	Rds(on) mΩ max10V	ID (A)	Remarks
VBQF1101N	DFN8(3X3)	Single-N	100	20	2		13	10	45	
VBQF1102N	DFN8(3X3)	Single-N	100	20	1		23	19	22	
VBQF1104N	DFN8(3X3)	Single-N	100	20	2.9		48	40	21	
VBQF1154N	DFN8(3X3)	Single-N	150	20	2		56	47	21	
VBQF1206	DFN8(3X3)	Single-N	20	12	0.7~1.5	5.5	5		58	
VBQF1208N	DFN8(3X3)	Single-N	200	20	2		92	77	15.2	
VBQF1252M	DFN8(3X3)	Single-N	250	20	2		175	146	10.9	
VBQF1302	DFN8(3X3)	Single-N	30	20	1.5		2	2	70	
VBQF1302S	DFN8(3X3)	Single-N	30	20	1.79		4	3	70	
VBQF1303	DFN8(3X3)	Single-N	30	20	1.2		5	4	40	
VBQF1303S	DFN8(3X3)	Single-N	30	20	1.63		6	4	65	
VBQF1306	DFN8(3X3)	Single-N	30	20	1~3		7	6	40	
VBQF1310	DFN8(3X3)	Single-N	30	20	2.19		19	13	30	
VBQF1320	DFN8(3X3)	Single-N	30	20	1.5			20	18	
VBQF1402	DFN8(3X3)	Single-N	40	20	1.4		2	2	50	
VBQF1405	DFN8(3X3)	Single-N	40	20	1~3		5	5	40	
VBQF1410	DFN8(3X3)	Single-N	40	20	1.8			10	30	
VBQF1615	DFN8(3X3)	Single-N	60	20	2.2		18	15	15	
VBQF1695	DFN8(3X3)	Single-N	60	20	2		141	113	6	
VBQF2120	DFN8(3X3)	Single-P	-12	8	-0.9	19	15		-14.5	
VBQF2205	DFN8(3X3)	Single-P	-20	12	-1.2	5	4		-52	
VBQF2207	DFN8(3X3)	Single-P	-20	20	0.3		9	7	-52	
VBQF2228	DFN8(3X3)	Single-P	-20	12	-1	38	28		-12	
VBQF2305	DFN8(3X3)	Single-P	-30	20	1.7		6	5	-50	
VBQF2309	DFN8(3X3)	Single-P	-30	20	-2.23		18	11	-45	
VBQF2311	DFN8(3X3)	Single-P	-30	20	-1.7		14	11	-30	
VBQF2314	DFN8(3X3)	Single-P	-30	20	-1.7		14	10	-30	
VBQF2317	DFN8(3X3)	Single-P	-30	20	-1.78		21	17	-24	
VBQF2412	DFN8(3X3)	Single-P	-40	20	-1~3		14	12	-25	
VBQF2625	DFN8(3X3)	Single-P	-60	20	-1~3		44	37	-20	
VBBC1309	DFN8(3X3)	Single-N	30	20	1.5~3		10	9	8.8	
VBQF2311	DFN8(3X3)	Single-P	-30	20	-2.38		17	9	-50	
VBQF1320	DFN8(3X3)	Single-N	30	20	1.5			20	18	
VBQF1410	DFN8(3X3)	Single-N	40	20	1.8V			10	30	
VBQF1310	DFN8(3X3)	Single-N	30	20	2.3		16	11	40	
VBQF3101M	DFN8(3X3)	Dual-N	100	20	1~3		120	100	4	
VBQF3211	DFN8(3X3)	Dual-N	20	20	0.5~1.5		12	10	9.4	
VBQF3316	DFN8(3X3)	Dual-N	30	20	1~3		18	16	28	
VBQF3316G	DFN8(3X3)	Dual-N	30	20	1~3		22/45	16/40	28	
VBQF4338	DFN8(3X3)	Dual-P	-20	20	-0.62~2		44	37	6/4.2	
VBQF5325	DFN8(3X3)	Dual-N+P	±30	20	±0.6~2		27/40	23/35	4.7/-3.2	
VBBC3210	DFN8(3X3)	Dual-N	20	20	0.8~2	30	24		8	
VBBC4338	DFN8(3X3)	Dual-P	-20	20	-0.4		46	38	-4	
VBBC5325	DFN8(3X3)	Dual-N+P	±30	20	±1~3		24	20	±6	
VBBD1330D	DFN8(3X2)	Single-N	20	20	0.6		36	30	6	
VBBD2355D	DFN8(3X2)	Single-P	-30	20	-1~ -3		66	55	-5	
VBBD7322	DFN8(3X2)	Single-N	30	20	0.5		18	16	9	
VBBD7323	DFN8(3X2)	Single-P	-30	20	-0.3		46	38	-5	

Part Number	Package	Configuration	Vds(V)	Vgs (±V)	Vth(V)	Rds(on) mΩ max2.5V	Rds(on) mΩ max4.5V	Rds(on) mΩ max10V	ID (A)	Remarks
VBBD7324	DFN8(3X2)	Single-P	-60	20	-0.3		70	58	-3	
VBBD3222	DFN8(3X2)	Dual-N	20	12	1.2	28	22		6	
VBBD4290	DFN8(3X2)	Dual-P	-20	20	-0.3		108	90	-4	
VBBD4290A	DFN8(3X2)	Dual-P	-20	20	-0.45~-		106	88	-4.4	
VBBD5222	DFN8(3X2)	Dual-N+P	±20	20	±0.45~1.5		22/45	18/40	5.9/-4	
VBQG7313	DFN6(2X2)	Single-N	30	20	1.5		16	13	12	
VBQG7322	DFN6(2X2)	Single-N	30	20	1.2		28	22	5.8	
VBQG8238	DFN6(2X2)	Single-P	-20	20	-1~-3	45	38		-4	
VBQG8658	DFN6(2X2)	Single-P	-60	20	-1~-3		70	58	-6	
VBQG3322	DFN6(2X2)	Dual-N	30	20	0.4		38	33	5	
VBQG4240	DFN6(2X2)	Dual-N	20	20	0.5		50	40	5	
VBQG4338	DFN6(2X2)	Dual-P	-30	12	-0.7		42	38	-4.1	
VBQG4338A	DFN6(2X2)	Dual-P	-30	20	-0.45		42	35	-5	
VBQG5325	DFN6(2X2)	Dual-N+P	±30	20	±1		24/52	24/52	7/-5	
VBQG8218	DFN6(2X2)	Single-P	-20	20	-1~-3	15	12		-12.5	

SOT89

MOSFET

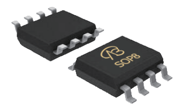


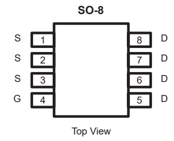


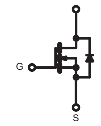
Part Number	Package	Configuration	Vds(V)	Vgs (±V)	Vth(V)	Rds(on) mΩ max2.5V	Rds(on) mΩ max4.5V	Rds(on) mΩ max10V	ID (A)	Remarks
VBI1101M	SOT89-3	Single-N	100	20	1.7		139	126	3.1	
VBI1201K	SOT89-3	Single-N	200	20	2		1200	1000	2	
VBI1202K	SOT89-3	Single-N	200	20	2		3125	2500	1	
VBI1226	SOT89-3	Single-N	20	12	0.9	45	33		6.8	
VBI1314	SOT89-3	Single-N	30	20	1.5		18	14	8.7	
VBI1322	SOT89-3	Single-N	30	20	0.9		45	33	6.8	
VBI1322G	SOT89-3	Single-N	30	20	0.5		26	22	0.3	
VBI1638	SOT89-3	Single-N	60	20	1~3		36	30	8	
VBI165R01	SOT89-3	Single-N	650	20	2		8000	6400	1	
VBI165R04	SOT89-3	Single-N	650	20	2		2125	1700	1	
VBI1695	SOT89-3	Single-N	60	20	1~3		88	76	5	
VBI2102M	SOT89-3	Single-P	-100	20	-1~-3		240	200	-5	
VBI2201K	SOT89-3	Single-P	-200	20	-1~-3		1200	1000	-0.2	
VBI2260	SOT89-3	Single-P	-20	12	-1.2	90	75		-4	
VBI2338	SOT89-3	Single-P	-30	20	-0.6~-2		56	50	-5.8	
VBI2658	SOT89-3	Single-P	-60	20	1~3		70	58	-5	
VBI3328	SOT89-6	Dual-N	30	20	1~3		36	30	5	
VBI3638	SOT89-6	Dual-N	60	20	1~3		44	37	4	
VBI5325	SOT89-6	Dual-N+P	±30	20	±1~3		36	30	±5	
VBI7322	SOT89-6	Single-N	30	20	1~3		26	22	6	
VBI8322	SOT89-6	Single-P	-30	20	-1~-3		26	22	-6	

SOP8

MOSFET







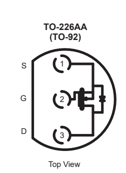
Part Number	Package	Configuration	Vds(V)	Vgs (±V)	Vth(V)	Rds(on) mΩ max2.5V	Rds(on) mΩ max4.5V	Rds(on) mΩ max10V	ID (A)	Remarks
VBA1102M	SOP8	Single-N	100	20	1.8			200	2.5	
VBA1101M	SOP8	Single-N	100	20	1.4		128	124	4.2	
VBA1101N	SOP8	Single-N	100	20	1.9		11	9	9	
VBA1102N	SOP8	Single-N	100	20	1~3		27	20	10	
VBA1104N	SOP8	Single-N	100	20	1.87		34	32	9	
VBA1106N	SOP8	Single-N	100	20	1.2		84	63	6.8	
VBA1154N	SOP8	Single-N	150	20	2			45	7.7	
VBA1158N	SOP8	Single-N	150	20	2		85	80	5.4	
VBA1203M	SOP8	Single-N	200	20	2~4		360	300	3	
VBA1206	SOP8	Single-N	20	12	0.65	8	6		15	
VBA1210	SOP8	Single-N	20	15	2.1	17	11		11	
VBA1302	SOP8	Single-N	30	20	1.78		5	4	20	
VBA1303	SOP8	Single-N	30	20	1.72		7	5	18	
VBA1307	SOP8	Single-N	30	20	1.45	24	11	9	13	
VBA1310S	SOP8	Single-N	30	20	1~3		12	10	12	COOL MOS
VBA1311	SOP8	Single-N	30	20	0.8~2.5		15	12	12	
VBA1328	SOP8	Single-N	30	20	1.1		45	32	6.8	
VBA1402	SOP8	Single-N	40	20	3		5	2	33	
VBA1405	SOP8	Single-N	40	20	1.91		7	5	18	
VBA1410	SOP8	Single-N	40	20	1.6		16	14	10	
VBA1420	SOP8	Single-N	40	20	1.75		19	16	9.5	
VBA1606	SOP8	Single-N	60	20	1~3		7	6	15	
VBA1615	SOP8	Single-N	60	20	1.8		14	12	12	
VBA1630	SOP8	Single-N	60	20	1.54		32	27	7.6	
VBA1635	SOP8	Single-N	60	20	1.64		32	24	8	
VBA165R04	SOP8	Single-N	650	20	1~3		1500	2800	1	
VBA1820	SOP8	Single-N	80	20	1~3		22	17	9.5	
VBA1840	SOP8	Single-N	80	20	2~4		45	40	7.1	
VBA2101M	SOP8	Single-P	-100	20	-1~-3		102	85	-4.5	
VBA2102M	SOP8	Single-P	-100	20	-1		220	195	-2.5	
VBA2107	SOP8	Single-P	-12	8	-0.6~-2	8.4	7		-13	
VBA2152M	SOP8	Single-P	-150	20	-1~-3		240	200	-2	
VBA2216	SOP8	Single-P	-20	15	-0.6~-2	19.2	16		-8	
VBA2305	SOP8	Single-P	-30	20	-1.7		8	5	-15	
VBA2307B	SOP8	Single-P	-30	20	-1.71		10	7	-14	
VBA2309	SOP8	Single-P	-30	20	-1.5		15	11	-11	
VBA2311	SOP8	Single-P	-30	20	-1.42		13	10	-11	
VBA2317	SOP8	Single-P	-30	20	-1.37	66	29	23	-7	
VBA2333	SOP8	Single-P	-30	20	-1.5		54	40	-6	
VBA2412	SOP8	Single-P	-40	20	-1.7		17	13	-11	
VBA2420	SOP8	Single-P	-40	20	-1.75		21	17	-8	
VBA2625	SOP8	Single-P	-60	20	-1.92		31	24	-9	

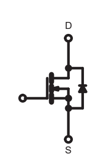
Part Number	Package	Configuration	Vds(V)	Vgs (±V)	Vth(V)	Rds(on) mΩ max2.5V	Rds(on) mΩ max4.5V	Rds(on) mΩ max10V	ID (A)	Remarks
VBA2658	SOP8	Single-P	-60	20	-1.5		61	50	-6	
VBA3102M	SOP8	Dual-N	100	20	1.9		200	187	3	
VBA3102N	SOP8	Dual-N	100	20	1~3		17	14	10	
VBA3104N	SOP8	Dual-N	100	20	1.6		48	40	6	
VBA3106N	SOP8	Dual-N	100	20	1.8			60	6	
VBA3108N	SOP8	Dual-N	100	20	1~3		96	80	3.5	
VBA3205	SOP8	Dual-N	20	20	0.5		6	5	14	
VBA3211	SOP8	Dual-N	20	12	0.8~2.5	30	12	11	10	
VBA3222	SOP8	Dual-N	20	12	0.9	30	22	15	8	
VBA3303	SOP8	Dual-N	30	20	1.5		5	3	21	
VBA3307	SOP8	Dual-N	30	20	1.36		13	10	13.5	
VBA3310	SOP8	Dual-N	30	20	1~3		12	10	13.5	
VBA3316	SOP8	Dual-N	30	20	1.5		12	20	8.5	
VBA3316D	SOP8	Dual-N	30	20	1~3		22	18	6.8/10	
VBA3316G	SOP8	Dual-N	30	20	1~3		22	18	6.8/10	
VBA3316SA	SOP8	Dual-N	30	20	1~3		22	18	6.8/10	
VBA3316SD	SOP8	Dual-N	30	20	1~3		22	18	6.8/10	
VBA3328	SOP8	Dual-N	30	20	1.73		26	22	6.8/6.0	
VBA3410	SOP8	Dual-N	40	20	1.55		20	15	12	
VBA3615	SOP8	Dual-N	60	20	1.5~3.5		18	15	8	
VBA3638	SOP8	Dual-N	60	20	1.5		32	27	6	
VBA3695	SOP8	Dual-N	60	20	1.8			95	3	
VBA36R02	SOP8	Dual-N	600	20	3			4000	0.5	
VBA3860	SOP8	Dual-N	80	20	3.5		85	75	3.5	
VBA4101M	SOP8	Dual-P	-100	20	-1~-3		102	85	-4.5	
VBA4216	SOP8	Dual-P	-20	20	-0.5		18	16	-9	
VBA4225	SOP8	Dual-P	-20	12	-0.81		23	19	-8.5	
VBA4235	SOP8	Dual-P	-20	12	-0.5	62	46		-5.4	
VBA4309	SOP8	Dual-P	-30	20	-1.5		11	9	-13	
VBA4311	SOP8	Dual-P	-30	20	-1.5		16	13	-8	
VBA4317	SOP8	Dual-P	-30	12	-1.8		28	21	-8.5	
VBA4317A	SOP8	Dual-P	-30	20	-2.1		32	18	-8.5	
VBA4338	SOP8	Dual-P	-30	20	-1.5		48	35	-7	
VBA4625	SOP8	Dual-P	-60	20	-0.8		30	25	-9	
VBA4658	SOP8	Dual-P	-60	20	-1~-3		70	58	-5.3	
VBA4670	SOP8	Dual-P	-60	20	-1~-3		85	70	-5	
VBA5101M	SOP8	Dual-N+P	±100	20	±2		120	100	±3.1	
VBA5102M	SOP8	Dual-N+P	±100	20	±1.5		135/285	95/243	4.6/-3.4	
VBA5104N	SOP8	Dual-N+P	±100	20	±2		35	33	±6.5	
VBA5213	SOP8	Dual-N+P	±20	12	±0.5	15/40	13/32		8/-5	
VBA5206	SOP8	Dual-N+P	±20	12	±1			6	±15	
VBA5251K	SOP8	Dual-N+P	±250	20	±1~3		1140	950	±1.1	
VBA5307	SOP8	Dual-N+P	±30	20	±1.5		9	7	±15	
VBA5311	SOP8	Dual-N+P	±30	20	1.72 /		13/28	11/21	10/-8	
VBA5325	SOP8	Dual-N+P	±30	20	±1.65		19/50	15/42	9/-6	
VBA53R01	SOP8	Dual-N+P	±250	20	±0.8		6000	5000	±0.34	
VBA5410	SOP8	Dual-N+P	±40	20	±1.7		18/22	15/17	9/-8	
VBA5415	SOP8	Dual-N+P	±40	20	±1.8		18/22	15/19	8/-7	

Part Number	Package	Configuration	Vds(V)	Vgs (±V)	Vth(V)	Rds(on) mΩ max2.5V	Rds(on) mΩ max4.5V	Rds(on) mΩ max10V	ID (A)	Remarks
VBA5606	SOP8	Dual-N+P	±60	20	±1.5		8	6	±20	
VBA5615	SOP8	Dual-N+P	±60	20	±2.2		16/66	12/41	9/-6	
VBA5638	SOP8	Dual-N+P	±60	20	±1.9		34/60	28/51	6.5/-5	
VBA5695	SOP8	Dual-N+P	±60	20	±1.8			95	±3	
VBA565R04	SOP8	Dual-N+P	±650	20	±0.8		6250	5000	±0.34	
VBA5840	SOP8	Dual-N+P	±80	20	±1.5		48	40	3.4/-2.2	
VBA1107S	SOP8	Single-N	100	20	1.4			7	14	COOL MOS
VBA1108S	SOP8	Single-N	100	20	1.4			8	14	COOL MOS
VBA1805S	SOP8	Single-N	80	20	1.8			5	6.8	COOL MOS
VBA1806S	SOP8	Single-N	80	20	1.8			6	8.2	COOL MOS
VBA1808S	SOP8	Single-N	80	20	1.8			8	10.3	COOL MOS
VBA1810S	SOP8	Single-N	80	20	1.8			10	14	COOL MOS
VBA3638S	SOP8	Dual-N	60	20	1			30	6.5	COOL MOS
VBA5325S	SOP8	Dual-N+P	±20	20	±1~3			24/23	6/-6.5	COOL MOS
VBA5638S	SOP8	Dual-N+P	±60	20	±1~3			30	±6.5	COOL MOS
VBA5325S	SOP8	Dual-N+P	±30	20	±1			24	±6	COOL MOS
VBA3638S	SOP8	Dual-N	60	20	1			30	6.5	COOL MOS
VBA1107S	SOP8	Single-N	100	20	1.4			7	14	COOL MOS
VBA1108S	SOP8	Single-N	100	20	1.4			8	14	COOL MOS
VBA1805S	SOP8	Single-N	80	20	1.8			5	6.8	COOL MOS
VBA1806S	SOP8	Single-N	80	20	1.8			6	8.2	COOL MOS
VBA1808S	SOP8	Single-N	80	20	1.8			8	10.3	COOL MOS
VBA1810S	SOP8	Single-N	80	20	1.8			10	14	COOL MOS
VBA1102M	SOP8	Single-N	100	20	1.8			200	2	
VBA3106N	SOP8	Dual-N	100	20	1.8			60	6	
VBA3205	SOP8	Dual-N	20	12	1			5	15	
VBA3695	SOP8	Dual-N	60	20	1.8			95	3	
VBA5206	SOP8	Dual-N+P	±20	12	±1			6	±15	
VBA5695	SOP8	Dual-N+P	±60	20	±1.8			95	±3	

TO92

MOSFET

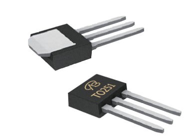


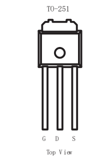


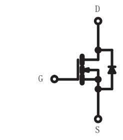
Part Number	Package	Configuration	Vds(V)	Vgs (±V)	Vth(V)	Rds(on) mΩ max2.5V	Rds(on) mΩ max4.5V	Rds(on) mΩ max10V	ID (A)	Remarks
VBR165R01	TO92	Single-N	600	20	2			6667	1	
VBR16R01	TO92	Single-N	600	20	2		5330	6667	1	
VBR9N1219	TO92	Single-N	20	12	0.6	28	22		4.8	
VBR9N2001K	TO92	Single-N	200	20	0.5		1200	1000	0.6	
VBR9N6010N	TO92	Single-N	60	20	1.3		132	110	2	
VBR9N602K	TO92	Single-N	60	20	0.8		2400	2000	0.45	
VBR9P2232	TO92	Single-P	-20	12	-1	55	45		-4.2	
VBRA1638	TO92	Single-N	60	20	2		46	38	28	

TO251

MOSFET





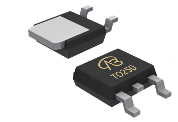


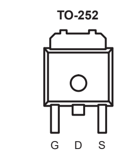
Part Number	Package	Configuration	Vds(V)	Vgs (±V)	Vth(V)	Rds(on) mΩ max2.5V	Rds(on) mΩ max4.5V	Rds(on) mΩ max10V	ID (A)	Remarks
VBF2355	TO251	Single-P	-30	20	-1.5		60	45	-20	
VBFB1101M	TO251	Single-N	100	20	1.41		120	115	15	
VBFB1101N	TO251	Single-N	100	20	1.8		11	9	65	
VBFB1102M	TO251	Single-N	100	20	2		264	220	12	
VBFB1102N	TO251	Single-N	100	20	1.8		29	24	43	
VBFB1104N	TO251	Single-N	100	20	2~4		48	40	35	
VBFB1151M	TO251	Single-N	150	20	2		125	100	15	
VBFB1158N	TO251	Single-N	150	20	2		67	56	25	
VBFB1201M	TO251	Single-N	200	20	-2		125	100	18	
VBFB1203M	TO251	Single-N	200	20	3		320	270	10	
VBFB1204M	TO251	Single-N	200	20	3		525	420	9	
VBFB1204N	TO251	Single-N	200	20	2		46	38	40	
VBFB1208N	TO251	Single-N	200	20	3.3			56	30	
VBFB1251K	TO251	Single-N	250	20	2		1200	1000	4	
VBFB1252M	TO251	Single-N	250	20	2		240	200	17	
VBFB1302	TO251	Single-N	30	20	2		2	2	110	
VBFB1303	TO251	Single-N	30	20	1.76		5	4	100	
VBFB1311	TO251	Single-N	30	20	1.92		8	6	70	
VBFB135R05	TO251	Single-N	350	20	3.5			900	5	
VBFB13R03	TO251	Single-N	300	20	3.5			1600	3	
VBFB13R05	TO251	Single-N	300	20	3.5			800	5	
VBFB1402	TO251	Single-N	40	20	1.5		2	2	120	
VBFB1405	TO251	Single-N	40	20	1~3		6	5	85	
VBFB1410	TO251	Single-N	40	20	1.6		13	11	50	
VBFB14R02	TO251	Single-N	400	20	3.5			3500	2	
VBFB14R04	TO251	Single-N	400	20	3.5			2100	4	
VBFB155R01	TO251	Single-N	550	20	3.5			6500	1	
VBFB155R02	TO251	Single-N	550	20	3			3000	2	
VBFB15R05	TO251	Single-N	500	20	2			1200	5.3	
VBFB1606	TO251	Single-N	60	20	2		9	6	70	
VBFB1615	TO251	Single-N	60	20	1.94		12	10	50	
VBF1615A	TO251	Single-N	60	20	1.87		10	7	60	
VBFB1630	TO251	Single-N	60	20	2.4		36	32	25	
VBFB165R01	TO251	Single-N	650	20	3.5			8500	1	
VBFB165R02	TO251	Single-N	650	20	2			4300	2	
VBFB165R04	TO251	Single-N	650	20	3.5			2200	4	
VBFB165R05	TO251	Single-N	650	20	3.5			2000	5	
VBFB165R06	TO251	Single-N	650	20	3.5			1700	6	
VBFB16R01	TO251	Single-N	600	20	1		8000	6400	1	
VBFB16R02	TO251	Single-N	600	20	2		3400	2720	2	
VBFB16R04	TO251	Single-N	600	20	3		1800	1440	4	
VBFB16R05	TO251	Single-N	600	20	2.5		1000	800	6.2	

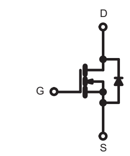
Part Number	Package	Configuration	Vds(V)	Vgs (±V)	Vth(V)	Rds(on) mΩ max2.5V	Rds(on) mΩ max4.5V	Rds(on) mΩ max10V	ID (A)	Remarks
VBFB16R07	TO251	Single-N	600	20	3.5		1500	1200	7	
VBFB175R02	TO251	Single-N	750	20	3.5		8125	6500	2	
VBFB175R04	TO251	Single-N	750	20	3.2		3375	2700	4	
VBFB17R02	TO251	Single-N	700	20	3.2		8125	6500	2	
VBFB17R04	TO251	Single-N	700	20	3.5		3250	2600	4	
VBFB17R06	TO251	Single-N	700	20	3.2		2375	1900	6	
VBFB1806	TO251	Single-N	80	20	2		8	7	80	
VBFB185R02	TO251	Single-N	850	20	3.5			6500	2	
VBFB185R04	TO251	Single-N	850	20	3.5			2700	4	
VBFB185R05	TO251	Single-N	850	20	3.5			2200	5	
VBFB185R06	TO251	Single-N	850	20	3.5			1700	6	
VBFB185R07	TO251	Single-N	850	20	3.5			1700	7	
VBFB195R03	TO251	Single-N	950	20	3.3			5400	3	
VBFB2101M	TO251	Single-P	-100	20	-2		120	100	-15	
VBFB2102M	TO251	Single-P	-100	20	-1.5		234	215	-9	
VBFB2104N	TO251	Single-P	-100	20	-1.5		40	32	35	
VBFB2201K	TO251	Single-P	-200	20	-2		1200	1000	-3.6	
VBFB2309	TO251	Single-P	-30	20	-1.3		11	9	-75	
VBFB2317	TO251	Single-P	-30	20	-1.4		22	18	-35	
VBFB2412	TO251	Single-P	-40	20	-1.7		14	10	-55	
VBFB2610N	TO251	Single-P	-60	20	-1.43		80	66	-25	
VBFB2625	TO251	Single-P	-60	20	-1~-3		28	23	-45	
VBFB2658	TO251	Single-P	-60	20	-1.45		57	48	-30	
VBFB15R07S	TO251	Single-N	500	30	3.5			550	7	COOL MOS
VBFB15R10S	TO251	Single-N	500	30	3.5			380	10	COOL MOS
VBFB165R02S	TO251	Single-N	650	30	3.5			2300	2	COOL MOS
VBFB165R05S	TO251	Single-N	650	30	3.5			950	5	COOL MOS
VBFB165R07S	TO251	Single-N	650	30	3.5			700	7	COOL MOS
VBFB165R09S	TO251	Single-N	650	30	3.5			500	9	COOL MOS
VBFB165R11S	TO251	Single-N	650	30	3.5			420	11	COOL MOS
VBFB16R05S	TO251	Single-N	600	30	3.5			850	5	COOL MOS
VBFB16R07S	TO251	Single-N	600	30	3.5			650	7	COOL MOS
VBFB16R10S	TO251	Single-N	600	30	3.5			450	10	COOL MOS
VBFB16R11S	TO251	Single-N	600	30	3.5			380	11	COOL MOS
VBFB17R02S	TO251	Single-N	700	30	3.5			2400	2	COOL MOS
VBFB17R05S	TO251	Single-N	700	30	3.5			1100	5	COOL MOS
VBFB17R07S	TO251	Single-N	700	30	3.5			750	7	COOL MOS
VBFB17R10S	TO251	Single-N	700	30	3.5			600	10	COOL MOS
VBFB17R11S	TO251	Single-N	700	30	3.5			450	11	COOL MOS
VBFB18R02S	TO251	Single-N	800	30	3.5			2600	2	COOL MOS
VBFB18R05S	TO251	Single-N	800	30	3.5			1300	5	COOL MOS
VBFB18R07S	TO251	Single-N	800	30	3.5			850	7	COOL MOS
VBFB18R11S	TO251	Single-N	800	30	3.5			500	11	COOL MOS
VBFB19R02S	TO251	Single-N	900	30	3.5			2700	2	COOL MOS
VBFB19R05S	TO251	Single-N	900	30	3.5			1500	5	COOL MOS
VBFB19R07S	TO251	Single-N	900	30	3.5			950	7	COOL MOS
VBFB19R11S	TO251	Single-N	900	30	3.5			580	11	COOL MOS

TO252

MOSFET

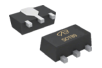






Part Number	Package	Configuration	Vds(V)	Vgs (±V)	Vth(V)	Rds(on) mΩ max2.5V	Rds(on) mΩ max4.5V	Rds(on) mΩ max10V	ID (A)	Remarks
VBE1101M	TO252	Single-N	100	20	1.6		121	115	15	
VBE1102M	TO252	Single-N	100	20	1.8			200	12	
VBE1101N	TO252	Single-N	100	20	3.2		20	9	70	
VBE1102N	TO252	Single-N	100	20	3.2			18	45	
VBE1104N	TO252	Single-N	100	20	1.8		31	30	40	
VBE1105	TO252	Single-N	100	20	2.35		7	6	100	
VBE1106N	TO252	Single-N	100	20	1.4	73	57	55	25	
VBE1806	TO252	Single-N	80	20	2.89		15	6	110	
VBE1152N	TO252	Single-N	150	20	2		24	20	50	
VBE1154N	TO252	Single-N	150	20	2		50	42	25	
VBE1158N	TO252	Single-N	150	20	2		87	70	25	
VBE1201K	TO252	Single-N	200	20	3.32		980	810	4	
VBE1201M	TO252	Single-N	200	20	1.5		125	100	15	
VBE1202	TO252	Single-N	20	20	1.55	3.5	3		160	
VBE1203M	TO252	Single-N	200	20	3.06		368	245	10	
VBE1206	TO252	Single-N	20	15	0.87	3.5	3		145	
VBE1206N	TO252	Single-N	200	20	3.2		112	54	25	
VBE1251K	TO252	Single-N	250	20	2.5		960	800	4	
VBE1252M	TO252	Single-N	250	20	2.5		264	220	17	
VBE1302	TO252	Single-N	30	20	1~3		3	2	100	
VBE1303	TO252	Single-N	30	20	1.9		3	2	100	
VBE1303S	TO252	Single-N	30	20	1.56		7	5	80	
VBE1307	TO252	Single-N	30	20	1.6		11	10	60	
VBE1310	TO252	Single-N	30	20	1.8		9	7	70	
VBE1337	TO252	Single-N	30	20	1.5		73	58	15	
VBE135R05	TO252	Single-N	350	20	3.5			900	5	
VBE13R03	TO252	Single-N	300	20	3.5			1600	3	
VBE13R05	TO252	Single-N	300	20	3.5			800	5	
VBE1402	TO252	Single-N	40	20	3.3		40	4	130	
VBE1405	TO252	Single-N	40	20	1.85		5	4	85	
VBE1410	TO252	Single-N	40	20	1.78		14	12	50	
VBE14R02	TO252	Single-N	400	20	3.5			3500	2	
VBE14R04	TO252	Single-N	400	20	3.5			2100	4	
VBE155R01	TO252	Single-N	550	20	3.5			6500	1	
VBE155R02	TO252	Single-N	550	20	3			3000	2	
VBE15R05	TO252	Single-N	500	20	3		1300	1040	5	
VBE1606	TO252	Single-N	60	20	2.8		15	5	110	
VBE1615	TO252	Single-N	60	20	1.87		11	9	60	
VBE1630	TO252	Single-N	60	20	1.73		29	26	45	
VBE1636	TO252	Single-N	60	20	2.04		44	31	40	
VBE1638	TO252	Single-N	60	20	1.8		28	24	45	
VBE165R01	TO252	Single-N	650	20	3.5			8500	1	

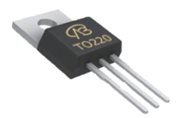
Part Number	Package	Configuration	Vds(V)	Vgs (±V)	Vth(V)	Rds(on) mΩ max2.5V	Rds(on) mΩ max4.5V	Rds(on) mΩ max10V	ID (A)	Remarks
VBE165R02	TO252	Single-N	650	20	2		3440	4300	2	
VBE165R04	TO252	Single-N	650	20	3.5		2750	2200	4	
VBE165R05	TO252	Single-N	650	20	3.5		2500	2000	5	
VBE1695	TO252	Single-N	60	20	2		85	73	18	
VBE16R01	TO252	Single-N	600	20	2		10000	8000	1	
VBE16R02	TO252	Single-N	600	20	3.1		3695	3560	2	
VBE16R04	TO252	Single-N	600	20	3		1800	1440	4	
VBE16R05	TO252	Single-N	600	20	2		1000	800	6.2	
VBE16028N	TO252	Single-N	600	30	3.52			240	15	
VBE16036N	TO252	Single-N	600	30	4.37			280	14	
VBE175R02	TO252	Single-N	750	20	3.5		8125	6500	2	
VBE175R04	TO252	Single-N	750	20	3.2		3375	2700	4	
VBE175R05	TO252	Single-N	750	20	3.5		2750	2200	5	
VBE175R06	TO252	Single-N	750	20	3.5		2125	1700	6	
VBE175R06	TO252	Single-N	750	20	3.5		2125	1700	6	
VBE17R02	TO252	Single-N	700	20	3.2		8125	6500	2	
VBE17R04	TO252	Single-N	700	20	3.5		3250	2600	4	
VBE185R02	TO252	Single-N	850	20	3.5		8125	6500	2	
VBE185R04	TO252	Single-N	850	20	3.5		3375	2700	4	
VBE185R05	TO252	Single-N	850	20	3.5		2750	2200	5	
VBE185R06	TO252	Single-N	850	20	3.5		2125	1700	6	
VBE195R03	TO252	Single-N	950	20	3.3		6750	5400	3	
VBE110R02	TO252	Single-N	1000	20	2.5		7500	6000	2	
VBE25R04	TO252	Single-P	-500	20	-3		4875	3900	-2	
VBE2251K	TO252	Single-P	-250	20	-2		1200	1000	-5	
VBE2201K	TO252	Single-P	-200	20	-2		1392	1160	-3.6	
VBE2205M	TO252	Single-P	-200	20	-2		600	500	-5.6	
VBE2152M	TO252	Single-P	-150	20	-1~-3		180	150	-15	
VBE2101M	TO252	Single-P	-100	20	-2		144	120	-15	
VBE2102M	TO252	Single-P	-100	20	-1.77		195	188	-10	
VBE2104N	TO252	Single-P	-100	20	-1.92		36	33	-40	
VBE2102N	TO252	Single-P	-100	20	-2		26	22	-50	
VBE2605	TO252	Single-P	-60	20	-2		6	5	-140	
VBE2609	TO252	Single-P	-60	20	-2		11	9	-60	
VBE2610N	TO252	Single-P	-60	20	-1.3		72	61	-38	
VBE2625	TO252	Single-P	-60	20	-1.76		25	20	-50	
VBE2625A	TO252	Single-P	-60	20	-1.56		25	20	-50	
VBE2658	TO252	Single-P	-60	20	-1.5		57	48	-22	
VBE2406	TO252	Single-P	-40	20	-2		6	5	-110	
VBE2412	TO252	Single-P	-40	20	-1.6		13	10	-65	
VBE2420	TO252	Single-P	-40	20	-1.75		21	17	-40	
VBE2305	TO252	Single-P	-30	20	-1.75		7	5	-100	
VBE2308A	TO252	Single-P	-30	20	-1.54		11	7	70	
VBE2309	TO252	Single-P	-30	20	-1.71		12	9	-60	
VBE2311	TO252	Single-P	-30	20	-1.6		15	12	-60	
VBE2315	TO252	Single-P	-30	20	-1.45		15	10	-60	
VBE2317	TO252	Single-P	-30	20	-1.7		25	18	-40	
VBE2320	TO252	Single-P	-30	20	-1.56		26	17	48	

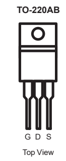


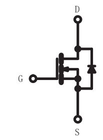
Part Number	Package	Configuration	Vds(V)	Vgs (±V)	Vth(V)	Rds(on) mΩ max2.5V	Rds(on) mΩ max4.5V	Rds(on) mΩ max10V	ID (A)	Remarks
VBE2338	TO252	Single-P	-30	20	-1.3		46	33	-26	
VBE2345	TO252	Single-P	-30	20	-1.51		54	35	38	
VBE2216	TO252	Single-P	-20	20	-0.6		18	14	-45	
VBE15R07S	TO252	Single-N	500	30	3.5			550	7	COOL MOS
VBE15R10S	TO252	Single-N	500	30	3.5			380	10	COOL MOS
VBE15R14S	TO252	Single-N	500	30	3.5			290	14	COOL MOS
VBE16R02S	TO252	Single-N	600	30	3.5			2300	2	COOL MOS
VBE165R02S	TO252	Single-N	650	30	3.5			2300	2	COOL MOS
VBE165R05S	TO252	Single-N	650	30	3.5			950	5	COOL MOS
VBE165R06	TO252	Single-N	650	30	2		976	1220	6	COOL MOS
VBE165R07S	TO252	Single-N	650	30	3.5			700	7	COOL MOS
VBE165R09S	TO252	Single-N	650	30	3.5			500	9	COOL MOS
VBE165R11S	TO252	Single-N	650	30	3.5			420	11	COOL MOS
VBE16R05S	TO252	Single-N	600	30	3.5			850	5	COOL MOS
VBE16R07S	TO252	Single-N	600	30	3.5			650	7	COOL MOS
VBE16R10S	TO252	Single-N	600	30	3.5			470	10	COOL MOS
VBE16R11S	TO252	Single-N	600	30	3.5			380	11	COOL MOS
VBE17R02S	TO252	Single-N	700	30	3.5			2400	2	COOL MOS
VBE17R05S	TO252	Single-N	700	30	3.5			1100	5	COOL MOS
VBE17R06	TO252	Single-N	700	30	2		1080	1350	6	COOL MOS
VBE17R07S	TO252	Single-N	700	30	3.5			750	7	COOL MOS
VBE17R10S	TO252	Single-N	700	30	3.5			600	10	COOL MOS
VBE17R11S	TO252	Single-N	700	30	3.5			450	11	COOL MOS
VBE1805S	TO252	Single-N	80	20	1.8			5	6.8	COOL MOS
VBE18R02S	TO252	Single-N	800	30	3.5			2600	2	COOL MOS
VBE18R05S	TO252	Single-N	800	30	3.5			1300	5	COOL MOS
VBE18R07S	TO252	Single-N	800	30	3.5			850	7	COOL MOS
VBE18R09S	TO252	Single-N	800	30	3.5			600	9	COOL MOS
VBE18R11S	TO252	Single-N	800	30	3.5			500	11	COOL MOS
VBE19R02S	TO252	Single-N	900	30	3.5			2700	2	COOL MOS
VBE19R05S	TO252	Single-N	900	30	3.5			1500	5	COOL MOS
VBE19R07S	TO252	Single-N	900	30	3.5			950	7	COOL MOS
VBE19R09S	TO252	Single-N	900	30	3.5			750	9	COOL MOS
VBE19R11S	TO252	Single-N	900	30	3.5			580	11	COOL MOS
VBE3310	TO252-5	Dual-N	30	20	1~3		12	10	32	
VBE5307	TO252-5	Dual-N+P	±30	20	±1~3		0	0	65/-35	
VBE5410	TO252-5	Dual-N+P	±40	20	±1~3		11	9	9.6/-7	
VBE5415	TO252-5	Dual-N+P	±40	20	±1		19	15	50/-50	
VBE5638	TO252-5	Dual-N+P	±60	20	±1~3		1	1	35/-18	

TO220

MOSFET







Part Number	Package	Configuration	Vds(V)	Vgs (±V)	Vth(V)	Rds(on) mΩ max2.5V	Rds(on) mΩ max4.5V	Rds(on) mΩ max10V	ID (A)	Remarks
VBM1102M	TO220	Single-N	100	20	2~4			200	14	
VBM1101M	TO220	Single-N	100	20	2~4		132	127	18	
VBM1101N	TO220	Single-N	100	20	3.2		20	9	100	
VBM1102N	TO220	Single-N	100	20	3.7			17	70	
VBM1103	TO220	Single-N	100	20	3			4	180	
VBM1104N	TO220	Single-N	100	20	2		38	36	55	
VBM1105	TO220	Single-N	100	20	3.2		19	5	120	
VBM151N	TO220	Single-N	150	20	2		12	10	100	
VBM152N	TO220	Single-N	150	20	2		24	19	60	
VBM154N	TO220	Single-N	150	20	2~4		54	45	45	
VBM158N	TO220	Single-N	150	20	1.9		76	75	20	
VBM1201K	TO220	Single-N	200	20	3		1020	910	5	
VBM1201N	TO220	Single-N	200	20	2		12	10	88	
VBM1201M	TO220	Single-N	200	20	2~3		125	110	30	
VBM1202M	TO220	Single-N	200	20	3		225	180	20	
VBM1202N	TO220	Single-N	200	20	2		34	28	75	
VBM1203M	TO220	Single-N	200	20	2.9		310	270	10	
VBM1204M	TO220	Single-N	200	20	3		525	420	9	
VBM1204N	TO220	Single-N	200	20	2		45	36	50	
VBM1206	TO220	Single-N	20	20	0.6~2	7.5	6		42	
VBM1208N	TO220	Single-N	200	20	3			58	35	
VBM1251K	TO220	Single-N	250	20	2		1200	1000	4	
VBM1252M	TO220	Single-N	250	20	2.1		228	190	12	
VBM1254N	TO220	Single-N	250	20	3		59	49	42	
VBM1301	TO220	Single-N	30	20	2		2	1	260	
VBM1302	TO220	Single-N	30	20	1.7		3	2	180	
VBM1303	TO220	Single-N	30	20	1.7		4	3	120	
VBM1307	TO220	Single-N	30	20	1.9		10	7	70	
VBM1310	TO220	Single-N	30	20	2		9	6	80	
VBM135R05	TO220	Single-N	350	20	3.5		1125	900	5	
VBM13R03	TO220	Single-N	300	20	3.5		2000	1600	3	
VBM13R05	TO220	Single-N	300	20	3.5		1000	800	5	
VBM1400	TO220	Single-N	40	20	2.2		1	1	409	
VBM1401	TO220	Single-N	40	20	2		2	2	270	
VBM1402	TO220	Single-N	40	20	3		15	2	180	
VBM1405	TO220	Single-N	40	20	2		7	6	110	
VBM14R02	TO220	Single-N	400	20	3.5			3500	2	
VBM14R04	TO220	Single-N	400	20	3.5			2100	4	
VBM155R01	TO220	Single-N	550	20	3.5			6500	1	
VBM155R02	TO220	Single-N	550	20	3			3000	2	
VBM155R09	TO220	Single-N	550	20	3.2			1000	9	
VBM155R09	TO220	Single-N	550	20	3.2			1000	9	

Part Number	Package	Configuration	Vds(V)	Vgs (±V)	Vth(V)	Rds(on) mΩ max2.5V	Rds(on) mΩ max4.5V	Rds(on) mΩ max10V	ID(A)	Remarks
VBM155R13	TO220	Single-N	550	20	3.2			600	13	
VBM155R18	TO220	Single-N	550	20	3			300	18	
VBM155R20	TO220	Single-N	550	20	3.5			250	20	
VBM155R24	TO220	Single-N	550	20	3.5		250	200	24	
VBM15R05	TO220	Single-N	500	20	2.5		1200	960	5	
VBM15R08	TO220	Single-N	500	20	3.4			1100	8	
VBM15R13	TO220	Single-N	500	20	3.1			660	13	
VBM1602	TO220	Single-N	60	20	2		3	2	270	
VBM1603	TO220	Single-N	60	20	2.9		9	3	210	
VBM1606	TO220	Single-N	60	20	3.6		44	5	120	
VBM1606S	TO220	Single-N	60	20	2			7	70	
VBM1607V1.6	TO220	Single-N	60	20	1.82		7	5	120	
VBM1607V3	TO220	Single-N	60	20	3.04		33	5	120	
VBM1611S	TO220	Single-N	60	20	2			11	40	
VBM1615	TO220	Single-N	60	20	1.9		13	11	60	
VBM1638	TO220	Single-N	60	20	1.8		28	24	50	
VBM165R01	TO220	Single-N	650	20	3.5			8500	1	
VBM165R02	TO220	Single-N	650	20	2		3900	3120	2	
VBM165R04	TO220	Single-N	650	20	3.5			2200	4	
VBM165R05	TO220	Single-N	650	20	3.5			2000	5	
VBM165R06	TO220	Single-N	650	20	3.5			1700	6	
VBM165R07	TO220	Single-N	650	20	2		1000	800	7	
VBM165R08	TO220	Single-N	650	20	2.5		480	384	8	
VBM165R10	TO220	Single-N	650	20	3.5			1100	10	
VBM165R11	TO220	Single-N	650	20	4.5			800	11	
VBM165R12	TO220	Single-N	650	20	3.5			800	12	
VBM165R18	TO220	Single-N	650	20	3.5			430	18	
VBM165R22	TO220	Single-N	650	20	3.5			280	22	
VBM16R01	TO220	Single-N	600	20	3.5			6500	1	
VBM16R02	TO220	Single-N	600	20	2.1		6000	4800	2	
VBM16R04	TO220	Single-N	600	20	3		1040	1300	4	
VBM16R06	TO220	Single-N	600	30	2		1200	960	6.2	
VBM16R07	TO220	Single-N	600	20	3.5			1200	7	
VBM16R08	TO220	Single-N	600	20	3		1070	780	8	
VBM16R10	TO220	Single-N	600	20	2			1000	10	
VBM16R11	TO220	Single-N	600	20	3.5			800	11	
VBM16R12	TO220	Single-N	600	20	3		288	360	12	
VBM16R20	TO220	Single-N	600	30	2		128	160	20	
VBM16016N	TO220	Single-N	600	20	3.42			140	30	
VBM16019N	TO220	Single-N	600	20	4.3			159	20	
VBM16028N	TO220	Single-N	600	20	3.43			240	18	
VBM16036N	TO220	Single-N	600	20	4.32			288	15	
VBM1711	TO220	Single-N	75	20	1.79		12	11	15	
VBM175R02	TO220	Single-N	750	20	3.5			6500	2	
VBM175R04	TO220	Single-N	750	20	3.2			2700	4	
VBM175R05	TO220	Single-N	750	20	3.5			2200	5	
VBM175R06	TO220	Single-N	750	20	3.5			1700	6	
VBM175R07	TO220	Single-N	750	20	3.5			1700	7	

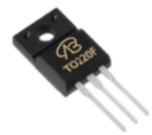
VBsemi

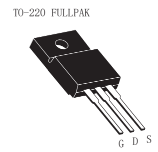
Part Number	Package	Configuration	Vds(V)	Vgs (±V)	Vth(V)	Rds(on) mΩ max2.5V	Rds(on) mΩ max4.5V	Rds(on) mΩ max10V	ID(A)	Remarks
VBM17R02	TO220	Single-N	700	20	3.2			6500	2	
VBM17R04	TO220	Single-N	700	20	3.5			2600	4	
VBM17R06	TO220	Single-N	700	20	3.2			1900	6	
VBM17R07	TO220	Single-N	700	20	3.5			1400	7	
VBM17R10	TO220	Single-N	700	20	3.5			1400	10	
VBM17R11	TO220	Single-N	700	20	3.5			1050	11	
VBM17R12	TO220	Single-N	700	20	3.5			870	12	
VBM1803	TO220	Single-N	80	20	1.2		4	3	195	
VBM1806	TO220	Single-N	80	20	2		14	6	120	
VBM1808	TO220	Single-N	80	20	2.7		9	7	100	
VBM185R02	TO220	Single-N	850	20	3.5			6500	2	
VBM185R04	TO220	Single-N	850	20	3.5			2700	4	
VBM185R05	TO220	Single-N	850	20	3.5			2200	5	
VBM185R06	TO220	Single-N	850	20	3.5			1700	6	
VBM185R07	TO220	Single-N	850	20	3.5			1700	7	
VBM185R10	TO220	Single-N	850	20	3.3			1150	10	
VBM195R03	TO220	Single-N	950	20	3.3			5400	3	
VBM195R06	TO220	Single-N	950	20	3.3			2400	6	
VBM195R09	TO220	Single-N	950	20	3.3			1700	9	
VBM2101M	TO220	Single-P	-100	20	-1~-3		210	175	-16	
VBM2102M	TO220	Single-P	-100	20	-1.6		178	167	-18	
VBM2104N	TO220	Single-P	-100	20	-2.5		50	42	-52	
VBM2151M	TO220	Single-P	-150	20	-1.9		138	115	-25	
VBM2201K	TO220	Single-P	-200	20	-2		1200	1000	-3.5	
VBM2205M	TO220	Single-P	-200	20	-2		648	540	-7.5	
VBM2251K	TO220	Single-P	-250	20	-2		1200	1000	-7	
VBM2305	TO220	Single-P	-30	20	-1~-3		6	5	-90	
VBM2309	TO220	Single-P	-30	20	-1.75		11	8	-70	
VBM2311	TO220	Single-P	-30	20	-1.8			11	-65	
VBM2403	TO220	Single-P	-40	20	-2		3	3	-120	
VBM2406	TO220	Single-P	-40	20	-2		5	4	-80	
VBM2412	TO220	Single-P	-40	20	-1~-3		14	12	-65	
VBM2609	TO220	Single-P	-60	20	-1~-3		10	8	-90	
VBM2610N	TO220	Single-P	-60	20	-1.3		74	62	-40	
VBM2625	TO220	Single-P	-60	20	-1.96		26	19	-50	
VBM2658	TO220	Single-P	-60	20	-1.8		85	60	-30	
VBM1104S	TO220	Single-N	100	30	2.2			4	100	COOL MOS
VBM1105S	TO220	Single-N	100	30	2.1			5	90	COOL MOS
VBM1106S	TO220	Single-N	100	30	1.4			7	80	COOL MOS
VBM1107S	TO220	Single-N	100	30	2.2			7	80	COOL MOS
VBM15R07S	TO220	Single-N	500	30	3.5			550	7	COOL MOS
VBM15R10S	TO220	Single-N	500	30	3.5			380	10	COOL MOS
VBM15R14S	TO220	Single-N	500	30	3.5			290	14	COOL MOS
VBM15R18S	TO220	Single-N	500	30	3.5			240	18	COOL MOS
VBM15R30S	TO220	Single-N	500	30	3.5			140	30	COOL MOS
VBM165R05S	TO220	Single-N	650	30	3.5			950	5	COOL MOS
VBM165R07S	TO220	Single-N	650	30	3.5			700	7	COOL MOS
VBM165R09S	TO220	Single-N	650	30	3.5			500	9	COOL MOS

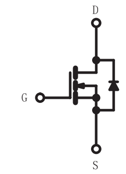
Part Number	Package	Configuration	Vds(V)	Vgs (±V)	Vth(V)	Rds(on) mΩ max2.5V	Rds(on) mΩ max4.5V	Rds(on) mΩ max10V	ID(A)	Remarks
VBM165R11S	TO220	Single-N	650	30	3.5			420	11	COOL MOS
VBM165R15S	TO220	Single-N	650	30	3.5			300	15	COOL MOS
VBM165R20S	TO220	Single-N	650	30	3.5			190	20	COOL MOS
VBM16R05S	TO220	Single-N	600	30	3.5			850	5	COOL MOS
VBM16R07S	TO220	Single-N	600	30	3.5			650	7	COOL MOS
VBM16R10S	TO220	Single-N	600	30	3.5			450	10	COOL MOS
VBM16R11S	TO220	Single-N	600	30	3.5			380	11	COOL MOS
VBM16R15S	TO220	Single-N	600	30	3.5			280	15	COOL MOS
VBM16R20S	TO220	Single-N	600	30	3.5			190	20	COOL MOS
VBM17R05S	TO220	Single-N	700	30	3.5			1100	5	COOL MOS
VBM17R07S	TO220	Single-N	700	30	3.5			750	7	COOL MOS
VBM17R10S	TO220	Single-N	700	30	3.5			600	10	COOL MOS
VBM17R11S	TO220	Single-N	700	30	3.5			450	11	COOL MOS
VBM17R15S	TO220	Single-N	700	30	3.5			350	15	COOL MOS
VBM17R20S	TO220	Single-N	700	30	3.5			210	20	COOL MOS
VBM1803S	TO220	Single-N	80	20	3			3	195	COOL MOS
VBM1806S	TO220	Single-N	80	20	3			6	100	COOL MOS
VBM1807S	TO220	Single-N	80	30	3			8	90	COOL MOS
VBM1808S	TO220	Single-N	80	20	3			8	85	COOL MOS
VBM18R05S	TO220	Single-N	800	30	3.5			1300	5	COOL MOS
VBM18R07S	TO220	Single-N	800	30	3.5			850	7	COOL MOS
VBM18R09S	TO220	Single-N	800	30	3.5			600	9	COOL MOS
VBM18R11S	TO220	Single-N	800	30	3.5			500	11	COOL MOS
VBM18R15S	TO220	Single-N	800	30	3.5			380	15	COOL MOS
VBM18R20S	TO220	Single-N	800	30	3.5			240	20	COOL MOS
VBM19R05S	TO220	Single-N	900	30	3.5			1500	5	COOL MOS
VBM19R07S	TO220	Single-N	900	30	3.5			950	7	COOL MOS
VBM19R09S	TO220	Single-N	900	30	3.5			750	9	COOL MOS
VBM19R11S	TO220	Single-N	900	30	3.5			580	11	COOL MOS
VBM19R15S	TO220	Single-N	900	30	3.5			420	15	COOL MOS
VBM19R20S	TO220	Single-N	900	30	3.5			270	20	
VBM1606S	TO220	Single-N	60	20	2			7	70	COOL MOS
VBM1611S	TO220	Single-N	60	20	2			11	40	COOL MOS
VBM1104S	TO220	Single-N	100	20	2.2			4	100	COOL MOS
VBM1105S	TO220	Single-N	100	20	2.1			5	90	COOL MOS
VBM1107S	TO220	Single-N	100	20	1.4			7	80	COOL MOS
VBM1107S	TO220	Single-N	100	20	2.2			7	80	COOL MOS
VBM1806S	TO220	Single-N	80	20	3			6	100	COOL MOS
VBM1808S	TO220	Single-N	80	20	3			8	85	COOL MOS
VBM1803S	TO220	Single-N	80	20	3			3	210	COOL MOS
VBM16R08	TO220	Single-N	600	20	3.31			1060	8	
VBM15R13	TO220	Single-N	500	20	3.17			660	13	
VBM15R08	TO220	Single-N	500	20	3.42			1110	8	
VBM1711	TO220	Single-N	75	20	1.79		12	11	15	

TO220F

MOSFET







Part Number	Package	Configuration	Vds(V)	Vgs (±V)	Vth(V)	Rds(on) mΩ max2.5V	Rds(on) mΩ max4.5V	Rds(on) mΩ max10V	ID(A)	Remarks
VBMB1101M	TO220F	Single-N	100	20	2~4		120	100	18	
VBMB1101N	TO220F	Single-N	100	20	2~4		11	9	90	
VBMB1104N	TO220F	Single-N	100	20	2~4		48	40	50	
VBMB1105	TO220F	Single-N	100	20	2		4	4	72	
VBMB1151M	TO220F	Single-N	150	20	1.99		100	97	35	
VBMB1152N	TO220F	Single-N	150	20	3.2		23	20	50	
VBMB1202M	TO220F	Single-N	200	20	3		225	180	18	
VBMB1203M	TO220F	Single-N	200	20	3.5		300	283	10	
VBMB1204M	TO220F	Single-N	200	20	3		525	420	9	
VBMB1204N	TO220F	Single-N	200	20	2		43	38	45	
VBMB1206	TO220F	Single-N	20	20	0.8		5	4	80	
VBMB1206N	TO220F	Single-N	200	20	3.37		104	48	40	
VBMB1208N	TO220F	Single-N	200	20	1.5		100	90	20	
VBMB1251K	TO220F	Single-N	250	20	2		1788	1490	2.8	
VBMB1252M	TO220F	Single-N	250	20	2		264	220	16	
VBMB1254N	TO220F	Single-N	250	20	3		46	38	19	
VBMB1302	TO220F	Single-N	30	20	1~3		2	2	180	
VBMB1303	TO220F	Single-N	30	20	1~3		4	3	140	
VBMB1311	TO220F	Single-N	30	20	0.8		15	12	50	
VBMB135R05	TO220F	Single-N	350	20	3.5			900	5	
VBMB13R03	TO220F	Single-N	300	20	3.5			1600	3	
VBMB13R05	TO220F	Single-N	300	20	3.5			800	5	
VBMB1402	TO220F	Single-N	40	20	2		3	3	180	
VBMB14R02	TO220F	Single-N	400	20	3.5			3500	2	
VBMB14R04	TO220F	Single-N	400	20	3.5			2100	4	
VBMB15R13	TO220F	Single-N	500	20	3.56			660	13	
VBMB155R01	TO220F	Single-N	550	20	3.5			6500	1	
VBMB155R02	TO220F	Single-N	550	20	3			3000	2	
VBMB155R09	TO220F	Single-N	550	20	3.2			1000	9	
VBMB155R13	TO220F	Single-N	550	20	3.2			600	13	
VBMB155R18	TO220F	Single-N	550	20	3			260	18	
VBMB155R20	TO220F	Single-N	550	20	3.5			250	20	
VBMB155R24	TO220F	Single-N	550	20	3.5			200	24	
VBMB1603	TO220F	Single-N	60	20	3		3	3	180	
VBMB1606	TO220F	Single-N	60	20	2~4		7	6	120	
VBMB1615	TO220F	Single-N	60	20	1.5		12	10	70	
VBMB1638	TO220F	Single-N	60	20	1~3		31	27	45	
VBMB1607V1.6	TO220F	Single-N	60	20	1.83		7	5	120	
VBMB1607V3	TO220F	Single-N	60	20	3.09		38	5	120	
VBMB165R01	TO220F	Single-N	650	20	3.5			8500	1	
VBMB165R02	TO220F	Single-N	650	20	3.8			1700	2	
VBMB165R04	TO220F	Single-N	650	20	3.8			2560	4	

微碧半导体 / VBsemi

Part Number	Package	Configuration	Vds(V)	Vgs (±V)	Vth(V)	Rds(on) mΩ max2.5V	Rds(on) mΩ max4.5V	Rds(on) mΩ max10V	ID(A)	Remarks
VBMB165R05	TO220F	Single-N	650	20	3.5			2000	5	
VBMB165R06	TO220F	Single-N	650	20	3		1050	840	6	
VBMB165R07	TO220F	Single-N	650	20	3.5			1100	7	
VBMB165R08	TO220F	Single-N	650	20	3.5			1000	8	
VBMB165R10	TO220F	Single-N	650	20	3.5			900	10	
VBMB165R11	TO220F	Single-N	650	20	4.5			800	11	
VBMB165R12	TO220F	Single-N	650	20	3.5			680	12	
VBMB165R18	TO220F	Single-N	650	20	3.5			500	18	
VBMB165R22	TO220F	Single-N	650	20	3.5			280	22	
VBMB16R01	TO220F	Single-N	600	20	3.5			6500	1	
VBMB16R02	TO220F	Single-N	600	20	2		4000	3200	2.4	
VBMB16R04	TO220F	Single-N	600	20	2		1160	928	4.5	
VBMB16R05	TO220F	Single-N	600	20	3		1400	1120	5	
VBMB16R07	TO220F	Single-N	600	20	3.5			1200	7	
VBMB16R08	TO220F	Single-N	600	20	3.55			880	8	
VBMB16R10	TO220F	Single-N	600	20	2			1000	10	
VBMB16R11	TO220F	Single-N	600	20	3.5			800	11	
VBMB16R11S	TO220F	Single-N	600	20	3.5			380	11	
VBMB16R12	TO220F	Single-N	600	20	2			700	12	
VBMB175R02	TO220F	Single-N	750	20	3.5			6500	2	
VBMB175R04	TO220F	Single-N	750	20	3.2			2700	4	
VBMB175R05	TO220F	Single-N	750	20	3.5			2200	5	
VBMB175R06	TO220F	Single-N	750	20	3.5			1700	6	
VBMB175R07	TO220F	Single-N	750	20	3.5			1700	7	
VBMB17R02	TO220F	Single-N	750	20	3.2			6500	2	
VBMB17R04	TO220F	Single-N	750	20	3.5			2600	4	
VBMB17R05S	TO220F	Single-N	700	20	3.5			1100	5	
VBMB17R06	TO220F	Single-N	700	20	3.2			1900	6	
VBMB17R07	TO220F	Single-N	700	20	2		1000	800	7	
VBMB17R10	TO220F	Single-N	700	20	3.5			1400	10	
VBMB17R11	TO220F	Single-N	700	20	3.5			1050	11	
VBMB17R12	TO220F	Single-N	700	20	3.5			870	12	
VBMB1806	TO220F	Single-N	80	20	2		7	6	80	
VBMB185R02	TO220F	Single-N	850	20	3.5			6500	2	
VBMB185R04	TO220F	Single-N	850	20	3.5			2700	4	
VBMB185R05	TO220F	Single-N	850	20	3.5			2200	5	
VBMB185R06	TO220F	Single-N	850	20	3.5			1700	6	
VBMB185R07	TO220F	Single-N	850	20	3.5			1700	7	
VBMB185R10	TO220F	Single-N	850	20	3.3			1150	10	
VBMB18R04	TO220F	Single-N	800	20	2		1440	1800	4	
VBMB195R03	TO220F	Single-N	950	20	3.3			5400	3	
VBMB195R06	TO220F	Single-N	950	20	3.3			2400	6	
VBMB195R09	TO220F	Single-N	950	20	3.3			1700	9	
VBMB2101M	TO220F	Single-P	-100	20	-1.3		120	100	-32	
VBMB2102M	TO220F	Single-P	-100	20	-2~-4		240	200	-18	
VBMB2104N	TO220F	Single-P	-100	20	-1.3		47	39	-50	
VBMB2201K	TO220F	Single-P	-200	20	-2		1200	1000	-2	
VBMB2205M	TO220F	Single-P	-200	20	-2		600	500	-6.1	

Part Number	Package	Configuration	Vds(V)	Vgs (±V)	Vth(V)	Rds(on) mΩ max2.5V	Rds(on) mΩ max4.5V	Rds(on) mΩ max10V	ID(A)	Remarks
VBMB2251K	TO220F	Single-P	-250	20	-3.5		1140	950	-4.5	
VBMB2255M	TO220F	Single-P	-250	20	-3		576	480	-6	
VBMB2309	TO220F	Single-P	-30	20	-1~-3		11	9	-48	
VBMB2311	TO220F	Single-P	-30	20	-1~-3		14	12	-40	
VBMB2412	TO220F	Single-P	-40	20	-1		16	13	-50	
VBMB2609	TO220F	Single-P	-60	20	-1.3		12	10	-70	
VBMB2610N	TO220F	Single-P	-60	20	-2		125	100	-12	
VBMB2625	TO220F	Single-P	-60	20	-2		29	24	-30	
VBMB2658	TO220F	Single-P	-60	20	-1~-3		69	58	-30	
VBMB15R07S	TO220F	Single-N	500	30	3.5			550	7	COOL MOS
VBMB15R10S	TO220F	Single-N	500	30	3.5			380	10	COOL MOS
VBMB15R14S	TO220F	Single-N	500	30	3.5			290	14	COOL MOS
VBMB15R18S	TO220F	Single-N	500	30	3.5			240	18	COOL MOS
VBMB15R30S	TO220F	Single-N	500	30	3.5			140	30	COOL MOS
VBMB165R05S	TO220F	Single-N	650	30	3.5			950	5	COOL MOS
VBMB165R07S	TO220F	Single-N	650	30	3.5			700	7	COOL MOS
VBMB165R09S	TO220F	Single-N	650	30	3.5			500	9	COOL MOS
VBMB165R11S	TO220F	Single-N	650	30	3.5			420	11	COOL MOS
VBMB165R15S	TO220F	Single-N	650	30	3.5			300	15	COOL MOS
VBMB165R20S	TO220F	Single-N	650	30	3.5			190	20	COOL MOS
VBMB16R05S	TO220F	Single-N	600	30	3.5			850	5	COOL MOS
VBMB16R07S	TO220F	Single-N	600	30	3.5			650	7	COOL MOS
VBMB16R10S	TO220F	Single-N	600	30	3.5			450	10	COOL MOS
VBMB16R15S	TO220F	Single-N	600	30	3.5			280	15	COOL MOS
VBMB16R20S	TO220F	Single-N	600	30	3.5			190	20	COOL MOS
VBMB17R07S	TO220F	Single-N	700	30	3.5			750	7	COOL MOS
VBMB17R10S	TO220F	Single-N	700	30	3.5			600	10	COOL MOS
VBMB17R11S	TO220F	Single-N	700	30	3.5			450	11	COOL MOS
VBMB17R15S	TO220F	Single-N	700	30	3.5			350	15	COOL MOS
VBMB17R20S	TO220F	Single-N	700	30	3.5			210	20	COOL MOS
VBMB18R05S	TO220F	Single-N	800	30	3.5			1300	5	COOL MOS
VBMB18R07S	TO220F	Single-N	800	30	3.5			850	7	COOL MOS
VBMB18R09S	TO220F	Single-N	800	30	3.5			600	9	COOL MOS
VBMB18R11S	TO220F	Single-N	800	30	3.5			500	11	COOL MOS
VBMB18R15S	TO220F	Single-N	800	30	3.5			380	15	COOL MOS
VBMB18R20S	TO220F	Single-N	800	30	3.5			240	20	COOL MOS
VBMB19R05S	TO220F	Single-N	900	30	3.5			1500	5	COOL MOS
VBMB19R07S	TO220F	Single-N	900	30	3.5			950	7	COOL MOS
VBMB19R09S	TO220F	Single-N	900	30	3.5			750	9	COOL MOS
VBMB19R11S	TO220F	Single-N	900	30	3.5			580	11	COOL MOS
VBMB19R15S	TO220F	Single-N	900	30	3.5			420	15	COOL MOS
VBMB19R20S	TO220F	Single-N	900	30	3.5			270	20	COOL MOS
VBMB165R12	TO220F	Single-N	650	20	3.04			670	12	
VBMB16R08	TO220F	Single-N	600	20	3.37			1020	8	
VBMB165R10	TO220F	Single-N	650	20	3.36			830	10	
VBMB15R13	TO220F	Single-N	500	20	3.55			800	13	

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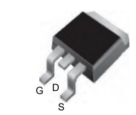

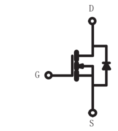

Part Number	Package	Configuration	Vds(V)	Vgs (±V)	Vth(V)	Rds(on) mΩ max2.5V	Rds(on) mΩ max4.5V	Rds(on) mΩ max10V	ID(A)	Remarks
VBL1101M	TO263	Single-N	100	20	1.7		106	100	20	
VBL1101N	TO263	Single-N	100	20	3		23	10	100	
VBL1102N	TO263	Single-N	100	20	2		22	18	70	
VBL1103	TO263	Single-N	100	20	1		3	2	180	
VBL1104N	TO263	Single-N	100	20	2		34	32	45	
VBL1105	TO263	Single-N	100	20	2			5	110	
VBL1141N	TO263	Single-N	150	20	1~3		14	11	90	
VBL1151N	TO263	Single-N	150	20	3.5		8	7	128	
VBL1151M	TO263	Single-N	150	20	1.9		102	99	20	
VBL1154N	TO263	Single-N	150	20	4.7			35	55	
VBL1201N	TO263	Single-N	200	20	2		12	10	88	
VBL1202M	TO263	Single-N	200	20	3		225	180	20	
VBL1203M	TO263	Single-N	200	20	3.2		370	260	10	
VBL1204M	TO263	Single-N	200	20	3		525	420	9	
VBL1204N	TO263	Single-N	200	20	3		50	42	50	
VBL1206	TO263	Single-N	20	20	0.6		8	6	85	
VBL1208N	TO263	Single-N	200	20	3.3			48	40	
VBL1251K	TO263	Single-N	250	20	2		1320	1100	4.4	
VBL1252M	TO263	Single-N	250	20	2		276	230	16	
VBL1254N	TO263	Single-N	250	20	2		56	47	45	
VBL1301	TO263	Single-N	30	20	2		2	2	260	
VBL1302	TO263	Single-N	30	20	0.8		2	2	180	
VBL1303	TO263	Single-N	30	20	1.7		4	3	170	
VBL1307	TO263	Single-N	30	20	0.8~2.0	10	8		70	
VBL1310	TO263	Single-N	30	20	2.2		19	12	70	
VBL135R05	TO263	Single-N	350	20	3.5			900	5	
VBL13R03	TO263	Single-N	300	20	3.5			1600	3	
VBL13R05	TO263	Single-N	300	20	3.5			800	5	
VBL1401	TO263	Single-N	40	20	2.2		2	1	250	
VBL1402	TO263	Single-N	40	20	1~3		3	2	180	
VBL1405	TO263	Single-N	40	20	1.8		6	5	100	
VBL14R02	TO263	Single-N	400	20	3.5			3500	2	
VBL14R04	TO263	Single-N	400	20	3.5			2100	4	
VBL155R01	TO263	Single-N	550	20	3.5			6500	1	
VBL155R02	TO263	Single-N	550	20	3			3000	2	
VBL155R09	TO263	Single-N	550	20	3.2			1000	9	
VBL155R13	TO263	Single-N	550	20	3.2			600	13	
VBL155R18	TO263	Single-N	550	20	3			300	18	
VBL155R20	TO263	Single-N	550	20	3.5			250	20	
VBL155R24	TO263	Single-N	550	20	3.5			200	24	
VBL1602	TO263	Single-N	60	20	2		2	2	270	
VBL1603	TO263	Single-N	60	20	2.9		13	3	210	

Part Number	Package	Configuration	Vds(V)	Vgs (±V)	Vth(V)	Rds(on) mΩ max2.5V	Rds(on) mΩ max4.5V	Rds(on) mΩ max10V	ID(A)	Remarks
VBL1606	TO263	Single-N	60	20	3			4	150	
VBL1615	TO263	Single-N	60	20	1.9		12	11	75	
VBL1632	TO263	Single-N	60	20	1.9		27	23	40	
VBL1607V1.6	TO263	Single-N	60	20	1.82		7	5	140	
VBL1607V3	TO263	Single-N	60	20	3.04		33	5	140	
VBL165R01	TO263	Single-N	650	20	3.5			8500	1	
VBL165R02	TO263	Single-N	650	20	3.5			4500	2	
VBL165R04	TO263	Single-N	650	20	3.5			2200	4	
VBL165R05	TO263	Single-N	650	20	3.5			2000	5	
VBL165R06	TO263	Single-N	650	20	3.5			1700	6	
VBL165R07	TO263	Single-N	650	20	3.5			1200	7	
VBL165R08	TO263	Single-N	650	20	3.5			1000	8	
VBL165R10	TO263	Single-N	650	20	3.5			1100	10	
VBL165R11	TO263	Single-N	650	20	4.5			800	11	
VBL165R12	TO263	Single-N	650	20	3.5			800	12	
VBL165R18	TO263	Single-N	650	20	3.5			430	18	
VBL165R22	TO263	Single-N	650	20	3.5			280	22	
VBL16R01	TO263	Single-N	600	20	3.5			6500	1	
VBL16R02	TO263	Single-N	600	20	3.2			4000	2	
VBL16R04	TO263	Single-N	600	20	3.5			2000	4	
VBL16R07	TO263	Single-N	600	20	3.5			1200	7	
VBL16R10	TO263	Single-N	600	20	3.5			1000	10	
VBL16R11	TO263	Single-N	600	20	3.5			800	11	
VBL16R12	TO263	Single-N	600	20	3.5			700	12	
VBL17R02	TO263	Single-N	700	20	3.2			6500	2	
VBL17R04	TO263	Single-N	700	20	3.5			3200	4	
VBL17R06	TO263	Single-N	700	20	3.2			1900	6	
VBL17R07	TO263	Single-N	700	20	3.5			1400	7	
VBL17R10	TO263	Single-N	700	20	3.5			1400	10	
VBL17R11	TO263	Single-N	700	20	3.5			1050	11	
VBL17R12	TO263	Single-N	700	20	3.5			870	12	
VBL1803	TO263	Single-N	80	20	3.5			4	210	
VBL1806	TO263	Single-N	80	20	3.7		10	6	120	
VBL185R02	TO263	Single-N	850	20	3.5			6500	2	
VBL185R04	TO263	Single-N	850	20	3.3			3800	4	
VBL185R05	TO263	Single-N	850	20	3.5			2200	5	
VBL185R06	TO263	Single-N	850	20	3.3			2400	6	
VBL185R07	TO263	Single-N	850	20	3.3			1800	7	
VBL185R10	TO263	Single-N	850	20	3.3			1150	10	
VBL195R03	TO263	Single-N	950	20	3.3			5400	3	
VBL195R06	TO263	Single-N	950	20	3.3			2400	6	
VBL195R09	TO263	Single-N	950	20	3.3			1700	9	
VBL2102M	TO263	Single-P	-100	20	-2~-4		240	200	-10	
VBL2106N	TO263	Single-P	-100	20	-2		60	50	-40	
VBL2152M	TO263	Single-P	150	20	-2		238	190	-13	
VBL2152N	TO263	Single-P	-150	20	-2		228	190	-13	
VBL2205M	TO263	Single-P	-200	20	-2		600	500	-6.5	
VBL2305	TO263	Single-P	-30	20	-1		6	5	-100	

Part Number	Package	Configuration	Vds(V)	Vgs (±V)	Vth(V)	Rds(on) mΩ max2.5V	Rds(on) mΩ max4.5V	Rds(on) mΩ max10V	ID(A)	Remarks
VBL2309	TO263	Single-P	-30	20	-2		10	8	-75	
VBL2406	TO263	Single-P	-40	20	-2		8	7	-72	
VBL2412	TO263	Single-P	-40	20	-1~-3		15	13	-60	
VBL2606	TO263	Single-P	-60	20	-1~-3		8	7	-120	
VBL2609	TO263	Single-P	-60	20	-2		10	8	-110	
VBL2610N	TO263	Single-P	-60	20	-1~-3		120	100	-20	
VBL2625	TO263	Single-P	-60	20	-2.1		25	21	-80	
VBL2658	TO263	Single-P	-60	20	-1~-3		70	58	-30	
VBL7401	TO263-7	Dual-N	40	20	2		1	1	240	
VBL7402	TO263-7	Dual-N	40	20	2		2	2	180	
VBL7603	TO263-7	Dual-N	60	20	2		2	2	140	
VBL15R07S	TO263	Single-N	500	30	3.5			550	7	COOL MOS
VBL15R10S	TO263	Single-N	500	30	3.5			380	10	COOL MOS
VBL15R14S	TO263	Single-N	500	30	3.5			290	14	COOL MOS
VBL15R18S	TO263	Single-N	500	30	3.5			240	18	COOL MOS
VBL15R30S	TO263	Single-N	500	30	3.5			140	30	COOL MOS
VBL165R07S	TO263	Single-N	650	30	3.5			700	7	COOL MOS
VBL165R09S	TO263	Single-N	650	30	3.5			500	9	COOL MOS
VBL165R11S	TO263	Single-N	650	30	3.5			420	11	COOL MOS
VBL165R15S	TO263	Single-N	650	30	3.5			300	15	COOL MOS
VBL165R20S	TO263	Single-N	650	30	3.5			190	20	COOL MOS
VBL16R07S	TO263	Single-N	600	30	3.5			650	7	COOL MOS
VBL16R10S	TO263	Single-N	600	30	3.5			450	10	COOL MOS
VBL16R11S	TO263	Single-N	600	30	3.5			380	11	COOL MOS
VBL16R15S	TO263	Single-N	600	30	3.5			280	15	COOL MOS
VBL16R20S	TO263	Single-N	600	30	3.5			190	20	COOL MOS
VBL17R07S	TO263	Single-N	700	30	3.5			750	7	COOL MOS
VBL17R10S	TO263	Single-N	700	30	3.5			600	10	COOL MOS
VBL17R11S	TO263	Single-N	700	30	3.5			450	11	COOL MOS
VBL17R15S	TO263	Single-N	700	30	3.5			350	15	COOL MOS
VBL17R20S	TO263	Single-N	700	30	3.5			210	20	COOL MOS
VBL18R07S	TO263	Single-N	800	30	3.5			850	7	COOL MOS
VBL18R09S	TO263	Single-N	800	30	3.5			600	9	COOL MOS
VBL18R11S	TO263	Single-N	800	30	3.5			500	11	COOL MOS
VBL18R15S	TO263	Single-N	800	30	3.5			380	15	COOL MOS
VBL18R20S	TO263	Single-N	800	30	3.5			240	20	COOL MOS
VBL19R07S	TO263	Single-N	900	30	3.5			950	7	COOL MOS
VBL19R09S	TO263	Single-N	900	30	3.5			750	9	COOL MOS
VBL19R11S	TO263	Single-N	900	30	3.5			580	11	COOL MOS
VBL19R15S	TO263	Single-N	900	30	3.5			420	15	COOL MOS
VBL19R20S	TO263	Single-N	900	30	3.5			270	20	COOL MOS
VBL7401	TO263-7	Dual-N	40	20	2		1	1	240	
VBL7402	TO263-7	Dual-N	40	20	2		2	2	180	
VBL7603	TO263-7	Dual-N	60	20	2		2	2	140	

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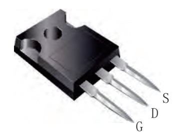
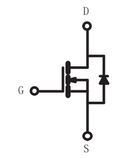




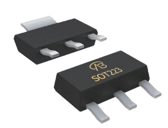
Part Number	Package	Configuration	Vds(V)	Vgs (±V)	Vth(V)	Rds(on) mΩ max2.5V	Rds(on) mΩ max4.5V	Rds(on) mΩ max10V	ID (A)	Remarks
VBP1102N	TO247	Single-N	100	20	2~4		20	18	80	
VBP1103	TO247	Single-N	100	20	2		4	3	320	
VBP1104N	TO247	Single-N	100	20	2~4		48	40	85	
VBP1106	TO247	Single-N	100	20	2~4		7	6	90	
VBP1151N	TO247	Single-N	150	20	2		12	10	150	
VBP1202M	TO247	Single-N	200	20	3			180	18	
VBP1202N	TO247	Single-N	200	20	2.5		24	20	96	
VBP1204M	TO247	Single-N	200	20	3			420	9	
VBP1206N	TO247	Single-N	200	20	2~4		67	56	40	
VBP1254N	TO247	Single-N	250	20	2		47	39	60	
VBP135R05	TO247	Single-N	350	20	3.5			900	5	
VBP13R03	TO247	Single-N	300	20	3.5			1600	3	
VBP13R05	TO247	Single-N	300	20	3.5			800	5	
VBP14R02	TO247	Single-N	400	20	3.5			3500	2	
VBP14R04	TO247	Single-N	400	20	3.5			2100	4	
VBP15R50	TO247	Single-N	522	20	4.29			83	10	
VBP155R01	TO247	Single-N	550	20	3.5			6500	1	
VBP155R02	TO247	Single-N	550	20	3			3000	2	
VBP155R09	TO247	Single-N	550	20	3.2			1000	9	
VBP155R13	TO247	Single-N	550	20	3.2			600	13	
VBP155R18	TO247	Single-N	550	20	3			300	18	
VBP155R20	TO247	Single-N	550	20	3.5			250	20	
VBP155R24	TO247	Single-N	550	20	3.5			200	24	
VBP1601	TO247	Single-N	60	20	1.8			1	350	
VBP1602	TO247	Single-N	60	20	1.8			2	270	
VBP1603	TO247	Single-N	60	20	1.8			3	210	
VBP1606	TO247	Single-N	60	20	2~4		7	6	150	
VBP165R01	TO247	Single-N	650	20	3.5			8500	1	
VBP165R02	TO247	Single-N	650	20	3.5			4500	2	
VBP165R04	TO247	Single-N	650	20	3.5			2200	4	
VBP165R05	TO247	Single-N	650	20	3.5			2000	5	
VBP165R06	TO247	Single-N	650	20	3.5			1700	6	
VBP165R07	TO247	Single-N	650	20	3.5			1200	7	
VBP165R08	TO247	Single-N	650	20	3.5			1000	8	
VBP165R10	TO247	Single-N	650	20	3.5			1100	10	
VBP165R11	TO247	Single-N	650	20	4.5			800	11	
VBP165R12	TO247	Single-N	650	20	3.5			800	12	
VBP165R18	TO247	Single-N	650	20	3.5			430	18	
VBP165R22	TO247	Single-N	650	20	3.5			280	22	
VBP16R01	TO247	Single-N	600	20	3.5			6500	1	
VBP16R02	TO247	Single-N	600	20	3.2			4000	2	
VBP16R04	TO247	Single-N	600	20	3.5			2000	4	

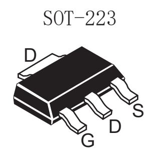
Part Number	Package	Configuration	Vds(V)	Vgs (±V)	Vth(V)	Rds(on) mΩ max2.5V	Rds(on) mΩ max4.5V	Rds(on) mΩ max10V	ID (A)	Remarks
VBP16R07	TO247	Single-N	600	20	3.5			1200	7	
VBP16R10	TO247	Single-N	600	20	3.5			1000	10	
VBP16R11	TO247	Single-N	600	20	3.5			800	11	
VBP175R02	TO247	Single-N	750	20	3.5			6500	2	
VBP175R04	TO247	Single-N	750	20	3.2			2700	4	
VBP175R05	TO247	Single-N	750	20	3.5			2200	5	
VBP175R06	TO247	Single-N	750	20	3.5			1700	6	
VBP175R07	TO247	Single-N	750	20	3.5			1700	7	
VBP17R02	TO247	Single-N	700	20	3.2			6500	2	
VBP17R04	TO247	Single-N	700	20	3.5			2600	4	
VBP17R06	TO247	Single-N	700	20	3.2			1900	6	
VBP17R07	TO247	Single-N	700	20	3.5			1400	7	
VBP17R10	TO247	Single-N	700	20	3.5			1400	10	
VBP17R11	TO247	Single-N	700	20	3.5			1050	11	
VBP17R12	TO247	Single-N	700	20	3.5			870	12	
VBP1803	TO247	Single-N	80	20	2		3	3	200	
VBP185R02	TO247	Single-N	850	20	3.5			6500	2	
VBP185R04	TO247	Single-N	850	20	3.5			2700	4	
VBP185R05	TO247	Single-N	850	20	3.5			2200	5	
VBP185R06	TO247	Single-N	850	20	3.5			1700	6	
VBP185R07	TO247	Single-N	850	20	3.5			1700	7	
VBP185R10	TO247	Single-N	850	20	3.3			1150	10	
VBP195R03	TO247	Single-N	950	20	3.3			5400	3	
VBP195R06	TO247	Single-N	950	20	3.3			2400	6	
VBP195R09	TO247	Single-N	950	20	3.3			1700	9	
VBP2102M	TO247	Single-P	-100	20	-2		240	200	-21	
VBP2205N	TO247	Single-P	-200	20	-2		55	46	-68	
VBP2625	TO247	Single-P	-60	20	-2		30	25	-60	
VBP15R14S	TO247	Single-N	500	30	3.5			240	14	COOL MOS
VBP15R18S	TO247	Single-N	500	30	3.5			240	18	COOL MOS
VBP15R30S	TO247	Single-N	500	30	3.5			140	30	COOL MOS
VBP15R47S	TO247	Single-N	500	30	3.5			60	47	COOL MOS
VBP1606S	TO247	Single-N	60	20	2			7	70	COOL MOS
VBP165R11S	TO247	Single-N	650	30	3.5			420	11	COOL MOS
VBP165R15S	TO247	Single-N	650	30	3.5			300	15	COOL MOS
VBP165R20S	TO247	Single-N	650	30	3.5			190	20	COOL MOS
VBP165R47S	TO247	Single-N	650	30	3.5			75	47	COOL MOS
VBP16R11S	TO247	Single-N	600	30	3.5			380	11	COOL MOS
VBP16R15S	TO247	Single-N	600	30	3.5			280	15	COOL MOS
VBP16R20S	TO247	Single-N	600	30	3.5			190	20	COOL MOS
VBP16R47S	TO247	Single-N	600	30	3.5			70	47	COOL MOS
VBP16R47SFD	TO247	Single-N	600	30	3.5			70	47	COOL MOS
VBP17R11S	TO247	Single-N	700	30	3.5			450	11	COOL MOS
VBP17R15S	TO247	Single-N	700	30	3.5			350	15	COOL MOS
VBP17R20S	TO247	Single-N	700	30	3.5			210	20	COOL MOS
VBP17R47S	TO247	Single-N	700	30	3.5			80	47	COOL MOS
VBP18R11S	TO247	Single-N	800	30	3.5			500	11	COOL MOS
VBP18R15S	TO247	Single-N	800	30	3.5			380	15	COOL MOS

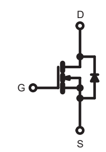
Part Number	Package	Configuration	Vds(V)	Vgs (±V)	Vth(V)	Rds(on) mΩ max2.5V	Rds(on) mΩ max4.5V	Rds(on) mΩ max10V	ID (A)	Remarks
VBP18R20S	TO247	Single-N	800	30	3.69			219	20	超结
VBP18R47S	TO247	Single-N	800	30	3.5			90	47	超结
VBP19R05S	TO247	Single-N	900	30	3.5			1500	5	超结
VBP19R09S	TO247	Single-N	900	30	3.5			750	9	超结
VBP19R11S	TO247	Single-N	900	30	3.5			580	11	超结
VBP19R20S	TO247	Single-N	900	30	3.5			270	20	超结
VBP19R47S	TO247	Single-N	900	30	3.5			100	47	超结
VBP15R50	TO247	Single-N	500	20	4.29			83	10	
VBP1601	TO247	Single-N	60	20	1.8			1	350	
VBP1602	TO247	Single-N	60	20	1.8			2	270	
VBP1603	TO247	Single-N	60	20	1.8			3	210	
VBP1606S	TO247	Single-N	60	20	2			7	70	超结

SOT223

MOSFET



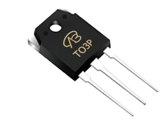


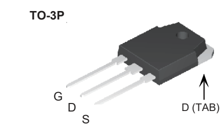


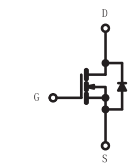
Part Number	Package	Configuration	Vds(V)	Vgs (±V)	Vth(V)	Rds(on) mΩ max2.5V	Rds(on) mΩ max4.5V	Rds(on) mΩ max10V	ID (A)	Remarks
VBJ1101M	SOT223	Single-N	100	20	2~4		120	100	5	
VBJ1104N	SOT223	Single-N	100	20	2		44	37	6	
VBJ1152M	SOT223	Single-N	150	20	2S		333	266	2	
VBJ1158N	SOT223	Single-N	150	20	2		96	80	6	
VBJ1201K	SOT223	Single-N	200	20	2~4		1350	1100	1	
VBJ1203M	SOT223	Single-N	200	20	2		384	320	3	
VBJ1252K	SOT223	Single-N	250	20	2		1788	1490	0.64	
VBJ1311	SOT223	Single-N	30	20	1~3		15	12	9.2	
VBJ1322	SOT223	Single-N	30	20	1.5		38	25	7	
VBJ1638	SOT223	Single-N	60	20	1~3		27	24	7	
VBJ165R01	SOT223	Single-N	650	20	2		10000	8000	1	
VBJ165R02	SOT223	Single-N	650	20	2		5000	4000	2	
VBJ165R04	SOT223	Single-N	650	20	2		2500	2000	4	
VBJ1695	SOT223	Single-N	60	20	1.53		85	76	4	
VBJ1695IN	SOT223	Single-N	60	20	1~3		108	90	11	
VBJ1695IS	SOT223	Single-N	60	20	1~3		108	90	10	
VBJ2102M	SOT223	Single-P	-100	20	2~4		240	200	-3	
VBJ2201K	SOT223	Single-P	-200	20	-1.5		1680	1400	-0.4	
VBJ2251K	SOT223	Single-P	-250	20	-2		1680	1400	-0.265	
VBJ2456	SOT223	Single-P	-40	20	-0.83		49	42	-6	
VBJ2658	SOT223	Single-P	-60	20	-1~-3		70	58	-6.5	

TO-3P

MOSFET





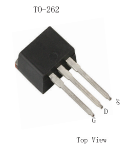


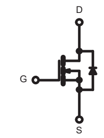
Part Number	Package	Configuration	Vds(V)	Vgs (±V)	Vth(V)	Rds(on) mΩ max2.5V	Rds(on) mΩ max4.5V	Rds(on) mΩ max10V	ID (A)	Remarks
VBPB1102N	TO-3P	Single-N	100	20	2		23	19	70	
VBPB1152N	TO-3P	Single-N	150	20	3		30	25	79	
VBPB1204N	TO-3P	Single-N	200	20	3		44	37	48	
VBPB1254N	TO-3P	Single-N	250	20	2.5		48	40	64	
VBPB1606	TO-3P	Single-N	60	20	1~3		6	5	70	
VBW1101N	TO-3P	Single-N	100	20	1		12	10	50	
VBW1152N	TO-3P	Single-N	150	20	3		26	22	70	
VBW1202N	TO-3P	Single-N	200	20	3		25	21	80	
VBW1254N	TO-3P	Single-N	250	20	3		47	39	55	
VBW1603	TO-3P	Single-N	60	20	1~3		4	3	85	
VBW2625	TO-3P	Single-P	-60	20	-1~-3		28	23	-45	
VBPB15R14S	TO-3P	Single-N	500	30	3.5			290	14	COOL MOS
VBPB15R18S	TO-3P	Single-N	500	30	3.5			240	18	COOL MOS
VBPB15R30S	TO-3P	Single-N	500	30	3.5			140	30	COOL MOS
VBPB15R47S	TO-3P	Single-N	500	30	3.5			60	47	COOL MOS
VBPB165R11S	TO-3P	Single-N	650	30	3.5			420	11	COOL MOS
VBPB165R15S	TO-3P	Single-N	650	30	3.5			300	15	COOL MOS
VBPB165R47S	TO-3P	Single-N	650	30	3.5			75	47	COOL MOS
VBPB16R11S	TO-3P	Single-N	600	30	3.5			380	11	COOL MOS
VBPB16R15S	TO-3P	Single-N	600	30	3.5			280	15	COOL MOS
VBPB16R20S	TO-3P	Single-N	600	30	3.5			190	20	COOL MOS
VBPB16R47S	TO-3P	Single-N	600	30	3.5			70	47	COOL MOS
VBPB16R47SFD	TO-3P	Single-N	600	30	3.5			70	47	COOL MOS
VBPB17R11S	TO-3P	Single-N	700	30	3.5			450	11	COOL MOS
VBPB17R15S	TO-3P	Single-N	700	30	3.5			350	15	COOL MOS
VBPB17R20S	TO-3P	Single-N	700	30	3.5			210	20	COOL MOS
VBPB17R47S	TO-3P	Single-N	700	30	3.5			80	47	COOL MOS
VBPB18R11S	TO-3P	Single-N	800	30	3.5			500	11	COOL MOS
VBPB18R15S	TO-3P	Single-N	800	30	3.5			380	15	COOL MOS
VBPB18R20S	TO-3P	Single-N	800	30	3.5			240	20	COOL MOS
VBPB18R47S	TO-3P	Single-N	800	30	3.5			90	47	COOL MOS
VBPB19R09S	TO-3P	Single-N	900	30	3.5			750	9	COOL MOS
VBPB19R11S	TO-3P	Single-N	900	30	3.5			580	11	COOL MOS
VBPB19R15S	TO-3P	Single-N	900	30	3.5			420	15	COOL MOS
VBPB19R20S	TO-3P	Single-N	900	30	3.5			270	20	COOL MOS
VBPB19R47S	TO-3P	Single-N	900	30	3.5			100	47	COOL MOS

VBsemi

TO262

MOSFET



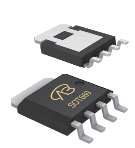
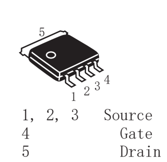
Part Number	Package	Configuration	Vds(V)	Vgs (±V)	Vth(V)	Rds(on) mΩ max2.5V	Rds(on) mΩ max4.5V	Rds(on) mΩ max10V	ID (A)	Remarks
VBN1101N	TO262	Single-N	100	20	2~4		11	9	100	
VBN1105	TO262	Single-N	100	20	2.5		5	4	120	
VBN1154N	TO262	Single-N	150	20	2		41	35	33	
VBN1202M	TO262	Single-N	200	20	3		225	180	18	
VBN1204M	TO262	Single-N	200	20	3		525	420	4	
VBN1204N	TO262	Single-N	200	20	3		56	47	38	
VBN1302	TO262	Single-N	30	20	1.1		3	3	183	
VBN1303	TO262	Single-N	30	20	1~3		4	3	98	
VBN135R05	TO262	Single-N	380	20	3.5		1125	900	5	
VBN13R03	TO262	Single-N	300	20	3.5		2000	1600	3	
VBN13R05	TO262	Single-N	300	20	3.5		1000	800	5	
VBN1402	TO262	Single-N	40	20	1.1		3	3	222	
VBN1405	TO262	Single-N	40	20	1~3		6	5	82	
VBN14R02	TO262	Single-N	400	20	3.5			3500	2	
VBN14R04	TO262	Single-N	400	20	3.5			2100	4	
VBN155R01	TO262	Single-N	550	20	3.5			6500	1	
VBN155R02	TO262	Single-N	550	20	3			3000	2	
VBN155R09	TO262	Single-N	550	20	3.2			1000	9	
VBN155R09	TO262	Single-N	550	20	3.2			1000	9	
VBN155R13	TO262	Single-N	550	20	3.2			600	13	
VBN155R18	TO262	Single-N	550	20	3			300	18	
VBN155R20	TO262	Single-N	550	20	3.5			250	20	
VBN155R24	TO262	Single-N	550	20	3.5			200	24	
VBN1603	TO262	Single-N	60	20	2		4	3	120	
VBN1606	TO262	Single-N	60	20	2~4		7	6	100	
VBN1615	TO262	Single-N	60	20	1.5		13	12	60	
VBN1638	TO262	Single-N	60	20	1~3		27	24	45	
VBN165R01	TO262	Single-N	650	20	3.5			8500	1	
VBN165R02	TO262	Single-N	650	20	3.5			4500	2	
VBN165R04	TO262	Single-N	650	20	3.5			2200	4	
VBN165R05	TO262	Single-N	650	20	3.5			2000	5	
VBN165R06	TO262	Single-N	650	20	3.5			1700	6	
VBN165R07	TO262	Single-N	650	20	3.5			1200	7	
VBN165R11	TO262	Single-N	650	20	4.5			800	11	
VBN165R12	TO262	Single-N	650	20	3.5			800	12	
VBN165R18	TO262	Single-N	650	20	3.5			430	18	
VBN165R22	TO262	Single-N	650	20	3.5			280	22	
VBN1695	TO262	Single-N	60	20	1~3		120	95	20	
VBN16R01	TO262	Single-N	600	20	3.5			6500	1	
VBN16R02	TO262	Single-N	600	20	3.2			4000	2	
VBN16R04	TO262	Single-N	600	20	3.5			2000	4	
VBN16R07	TO262	Single-N	600	20	3.5			1200	7	

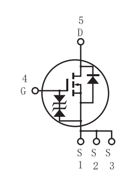
Part Number	Package	Configuration	Vds(V)	Vgs (±V)	Vth(V)	Rds(on) mΩ max2.5V	Rds(on) mΩ max4.5V	Rds(on) mΩ max10V	ID (A)	Remarks
VBN16R10	TO262	Single-N	600	20	3.5			1000	10	
VBN16R11	TO262	Single-N	600	20	3.5			800	11	
VBN16R12	TO262	Single-N	600	20	3.5			700	12	
VBN175R02	TO262	Single-N	750	20	3.5			6500	2	
VBN175R04	TO262	Single-N	750	20	3.2			2700	4	
VBN175R05	TO262	Single-N	750	20	3.5			2200	5	
VBN175R06	TO262	Single-N	750	20	3.5			1700	6	
VBN175R07	TO262	Single-N	750	20	3.5			1700	7	
VBN17R02	TO262	Single-N	700	20	3.2			6500	2	
VBN17R04	TO262	Single-N	700	20	3.5			2600	4	
VBN17R06	TO262	Single-N	700	20	3.2			1900	6	
VBN17R07	TO262	Single-N	700	20	3.5			1400	7	
VBN17R10	TO262	Single-N	700	20	3.5			1400	10	
VBN17R11	TO262	Single-N	700	20	3.5			1050	11	
VBN17R12	TO262	Single-N	700	20	3.5			870	12	
VBN1806	TO262	Single-N	80	20	2		6	6	80	
VBN185R02	TO262	Single-N	850	20	3.5			6500	2	
VBN185R04	TO262	Single-N	850	20	3.5			2700	4	
VBN185R05	TO262	Single-N	850	20	3.5			2200	5	
VBN185R06	TO262	Single-N	850	20	3.5			1700	6	
VBN185R07	TO262	Single-N	850	20	3.5			1700	7	
VBN185R10	TO262	Single-N	800	20	3.3			1150	10	
VBN195R03	TO262	Single-N	950	20	3.3			5400	3	
VBN195R06	TO262	Single-N	950	20	3.3			2400	6	
VBN195R09	TO262	Single-N	950	20	3.3			1700	9	
VBN2625	TO262	Single-P	-60	20	-2		24	20	-42	
VBNC1102N	TO262L	Single-N	100	20	1.2		22	18	47	
VBNC1303	TO262L	Single-N	30	20	1~3		4	3	80	
VBNC1402	TO262L	Single-N	40	20	2		3	2	100	
VBNC1405	TO262L	Single-N	40	20	2.1		5	5	80	
VBNC1603	TO262L	Single-N	60	20	2		3	3	120	
VBNC1606	TO262L	Single-N	60	20	2.1		6	6	80	
VBNCB1101N	TO262F	Single-N	100	20	1~3		14	11	61	
VBNCB1102N	TO262F	Single-N	100	20	1.2~2.5		22	18	47	
VBNCB1158N	TO262F	Single-N	150	20	3		90	75	23	
VBNCB1206	TO262F	Single-N	20	20	1.55	6.5	6		92	
VBNCB1208N	TO262F	Single-N	200	20	3		100	83	24	
VBNCB1252M	TO262F	Single-N	250	20	2		240	200	14	
VBNCB1302	TO262F	Single-N	30	20	1.2		3	2	100	
VBNCB1303	TO262F	Single-N	30	20	1		4	4	80	
VBNCB1402	TO262F	Single-N	40	20	1.4		3	3	180	
VBNCB1603	TO262F	Single-N	60	20	1~3		4	3	80	
VBNCB1806	TO262F	Single-N	80	20	2.1		6	6	80	
VBNCB2625	TO262F	Single-P	-60	20	-2		25	21	-47	
VBN15R07S	TO262	Single-N	500	20	3.5			550	7	COOL MOS
VBN15R10S	TO262	Single-N	500	20	3.5			380	10	COOL MOS
VBN15R14S	TO262	Single-N	500	20	3.5			290	14	COOL MOS
VBN15R18S	TO262	Single-N	500	20	3.5			240	18	COOL MOS

Part Number	Package	Configuration	Vds(V)	Vgs (±V)	Vth(V)	Rds(on) mΩ max2.5V	Rds(on) mΩ max4.5V	Rds(on) mΩ max10V	ID (A)	Remarks
VBN15R30S	TO262	Single-N	500	20	3.5			140	30	COOL MOS
VBN165R07S	TO262	Single-N	650	20	3.5			700	7	COOL MOS
VBN165R08	TO262	Single-N	650	20	3.5			1000	8	COOL MOS
VBN165R09S	TO262	Single-N	650	20	3.5			500	9	COOL MOS
VBN165R10	TO262	Single-N	650	20	3.5			1100	10	COOL MOS
VBN165R11S	TO262	Single-N	650	20	3.5			420	11	COOL MOS
VBN165R15S	TO262	Single-N	650	20	3.5			300	15	COOL MOS
VBN165R20S	TO262	Single-N	650	20	3.5			190	20	COOL MOS
VBN16R07S	TO262	Single-N	600	20	3.5			650	7	COOL MOS
VBN16R10S	TO262	Single-N	600	20	3.5			450	10	COOL MOS
VBN16R11S	TO262	Single-N	600	20	3.5			380	11	COOL MOS
VBN16R15S	TO262	Single-N	600	20	3.5			280	15	COOL MOS
VBN16R20S	TO262	Single-N	600	20	3.5			190	20	COOL MOS
VBN17R07S	TO262	Single-N	700	20	3.5			750	7	COOL MOS
VBN17R10S	TO262	Single-N	700	20	3.5			600	10	COOL MOS
VBN17R11S	TO262	Single-N	700	20	3.5			450	11	COOL MOS
VBN17R15S	TO262	Single-N	700	20	3.5			350	15	COOL MOS
VBN17R20S	TO262	Single-N	700	20	3.5			210	20	COOL MOS
VBN18R07S	TO262	Single-N	800	20	3.5			850	7	COOL MOS
VBN18R09S	TO262	Single-N	800	20	3.5			600	9	COOL MOS
VBN18R11S	TO262	Single-N	800	20	3.5			500	11	COOL MOS
VBN18R15S	TO262	Single-N	800	20	3.5			380	15	COOL MOS
VBN18R20S	TO262	Single-N	800	20	3.5			240	20	COOL MOS
VBN19R07S	TO262	Single-N	900	20	3.5			950	7	COOL MOS
VBN19R09S	TO262	Single-N	900	20	3.5			750	9	COOL MOS
VBN19R11S	TO262	Single-N	900	20	3.5			580	11	COOL MOS
VBN19R15S	TO262	Single-N	900	20	3.5			420	15	COOL MOS
VBN19R20S	TO262	Single-N	900	20	3.5			270	20	COOL MOS

SOT669

MOSFET

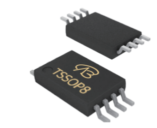
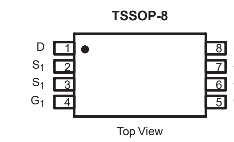



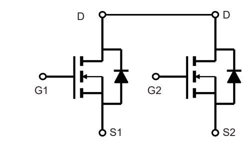


Part Number	Package	Configuration	Vds(V)	Vgs (±V)	Vth(V)	Rds(on) mΩ max2.5V	Rds(on) mΩ max4.5V	Rds(on) mΩ max10V	ID (A)	Remarks
VBED1101N	SOT669	Single-N	100	20	1.4		14	12	69	
VBED1303	SOT669	Single-N	30	20	0.8		3	3	90	
VBED1307	SOT669	Single-N	30	20	1.5		9	7	30	
VBED1402	SOT669	Single-N	40	20	1.4		2	2	100	
VBED1603	SOT669	Single-N	60	20	2.4		3	3	100	
VBED1606	SOT669	Single-N	60	20	1~3		8	6	64	
VBED1806	SOT669	Single-N	80	20	1.4		7	6	90	

TSSOP8

MOSFET

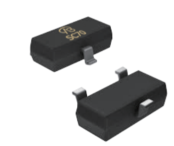
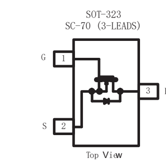



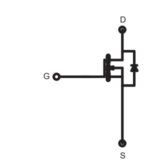


Part Number	Package	Configuration	Vds(V)	Vgs (±V)	Vth(V)	Rds(on) mΩ max2.5V	Rds(on) mΩ max4.5V	Rds(on) mΩ max10V	ID (A)	Remarks
VBC1307	TSSOP8	Single-N	30	20	1		7	6	13	
VBC2311	TSSOP8	Single-P	-30	20	-1~-3		14	12	-12	
VBC6N2005	TSSOP8	Dual-N	20	12	0.6	7	6		11	
VBC6N2014	TSSOP8	Dual-N	20	12	0.6	20	13		7.6	
VBC6N2022	TSSOP8	Dual-N	20	15	0.6~2	24/27	20/22		4.8/4.8	
VBC6N3010	TSSOP8	Dual-N	30	20	1~3		12	10	8.6	
VBC6P2216	TSSOP8	Single-P	-20	20	-0.5		18	16	-7	
VBC6P3033	TSSOP8	Dual-P	-30	20	1~3		40	33	-5.2	
VBC7N3010	TSSOP8	Dual-N	30	20	0.6		14	12	8	
VBC7P2216	TSSOP8	Single-P	-20	20	-0.4		18	16	-9	
VBC7P3017	TSSOP8	Dual-P	-30	20	-1~-3		20	17	-4.6	
VBC8338	TSSOP8	Dual-N+P	-30	20	-1		46	38	-3.5	

SC70

MOSFET

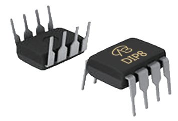



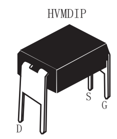


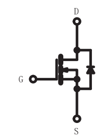
Part Number	Package	Configuration	Vds(V)	Vgs (±V)	Vth(V)	Rds(on) mΩ max2.5V	Rds(on) mΩ max4.5V	Rds(on) mΩ max10V	ID (A)	Remarks
VBK1230N	SC70-3	Single-N	20	20	0.69		260	210	1.5	
VBK1240	SC70-3	Single-N	20	20	-1~-3		36	30	5	
VBK1270	SC70-3	Single-N	20	12	1~3	60	49	45	4	
VBK162K	SC70-3	Single-N	60	20	1~2.5		2160	1800	0.35	
VBK1695	SC70-3	Single-N	60	20	1.2		138	115	2	
VBK2101K	SC70-3	Single-P	-100	20	-1.2		1860	1550	-0.5	
VBK2298	SC70-3	Single-P	-20	12	-0.6~-2	117.6	98		-3	
VBK264K	SC70-3	Single-P	-60	20	-0.8		3440	4300	-0.13	
VBK3215N	SC70-6	Dual-N	20	8	0.8	170	150		2	
VBK362K	SC70-6	Dual-N	60	20	0.6~2		2400	2000	0.35	
VBK362KS	SC70-6	Dual-N	60	20	1~3		2400	2000	0.3	
VBK4223N	SC70-6	Dual-P	-20	12	-0.6~-2	276	230		-1.5	
VBK5213N	SC70-6	Dual-N+P	±20	20	±0.6~2	160/280	130/230		2.5/-1.5	
VBK7322	SC70-6	Single-N	30	20	1.2		28	22	6.5	
VBK7695	SC70-6	Single-N	60	20	0.8		90	75	2.5	
VBK8238	SC70-6	Single-P	-20	20	1~3	45	38		-4.5	
VBKB2220	SC70-8	Single-P	-20	20	-0.4~-1.5		24	20	-6.5	
VBKB4265	SC70-8	Dual-P	-20	20	-0.4~-1.5		78	65	-3.5	
VBKB5245	SC70-8	Dual-N+P	±20	20	±0.4~-1.5		54	45	4/-2	

DIP8

MOSFET



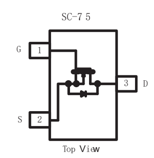


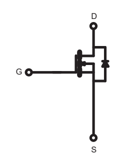


Part Number	Package	Configuration	Vds(V)	Vgs (±V)	Vth(V)	Rds(on) mΩ max2.5V	Rds(on) mΩ max4.5V	Rds(on) mΩ max10V	ID (A)	Remarks
VBG3316	DIP8	Dual-N	30	20	1~3		18	15	9.5	
VBG3638	DIP8	Dual-N	60	20	1~3		46	38	6	
VBG5325	DIP8	Dual-N+P	±30	20	±1		30	25	7.2/-5	
VBG5638	DIP8	Dual-N+P	±60	20	±2		47/60	42/55	4.7/-4	
VBGC1101M	DIP8	Single-N	100	20	2		120	100	3	
VBGC1201K	DIP8	Single-N	200	20	2		1200	1000	0.6	
VBGC165R02	HVMDIP8	Single-N	600	20	2		5500	4400	1	
VBGC165R04	HVMDIP8	Single-N	600	20	2		2250	1800	4	
VBGC1695	DIP8	Single-N	60	20	1~3		120	100	2.5	
VBGC2101K	DIP8	Single-P	-100	20	-2		1440	1200	-0.7	
VBGC2205M	DIP8	Single-P	-200	20	-2		600	500	-1.5	
VBGC2610N	DIP8	Single-P	-60	20	-2		120	100	-3	

SC75

MOSFET

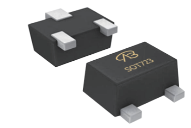


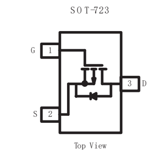


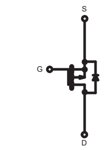
Part Number	Package	Configuration	Vds(V)	Vgs (±V)	Vth(V)	Rds(on) mΩ max2.5V	Rds(on) mΩ max4.5V	Rds(on) mΩ max10V	ID (A)	Remarks
VBTA1220N	SC75-3	Single-N	20	12	0.6	230	200		1	
VBTA1220NS	SC75-3	Single-N	20	20	0.6		240	200	0.85	
VBTA1290	SC75-3	Single-N	20	12	0.5	141	107	91	1.8	
VBTA161K	SC75-3	Single-N	60	20	0.3		1320	1100	0.25	
VBTA161KS	SC75-3	Single-N	60	20	0.3		1320	1100	0.3	
VBTA2245N	SC75-3	Single-P	-20	12	-0.45	500	450		-0.4	
VBTA2245NS	SC75-3	Single-P	-20	20	-0.45		540	450	-0.4	
VBTA2610N	SC75-3	Single-P	-60	20	-1~-3		120	100	-2	
VBTA3230NS	SC75-6	Dual-N	20	20	0.3	350	300		0.2	
VBTA32S3M	SC75-6	Dual-N	20	20	0.6~2	360/360	300/300		1	
VBTA3615M	SC75-6	Dual-N	60	20	0.4		1500	1200	0.2	
VBTA4250N	SC75-6	Dual-P	-20	12	-0.4	530	500		-0.5	
VBTA5220N	SC75-6	Dual-N+P	±20	12	0.7/-0.79	410/840	0		0.6/-0.3	
VBTA7322	SC75-6	Single-N	30	20	1.2		28	22	0.5	
VBTA8338	SC75-6	Single-P	-20	12	1~3	45	38		-0.5	

SOT723

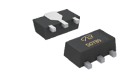
MOSFET



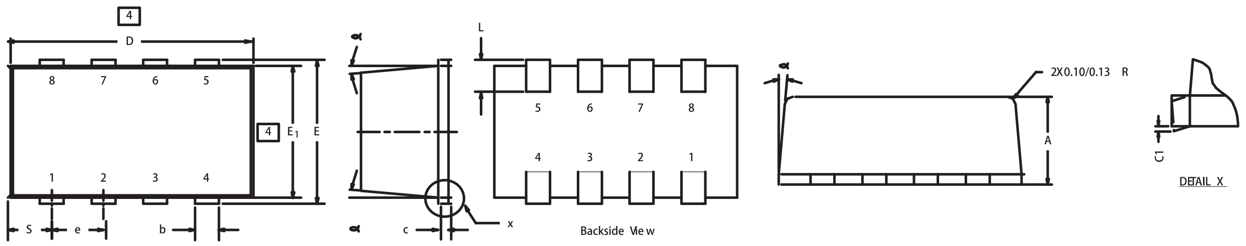




Part Number	Package	Configuration	Vds(V)	Vgs (±V)	Vth(V)	Rds(on) mΩ max2.5V	Rds(on) mΩ max4.5V	Rds(on) mΩ max10V	ID (A)	Remarks
VBHA1230N	SOT723-3	Single-N	20	20	0.45		338	270	0.65	
VBHA161K	SOT723-3	Single-N	60	20	0.3		1375	1100	0.25	
VBHA2245N	SOT723-3	Single-P	-20	20	-0.45		456	380	-0.78	

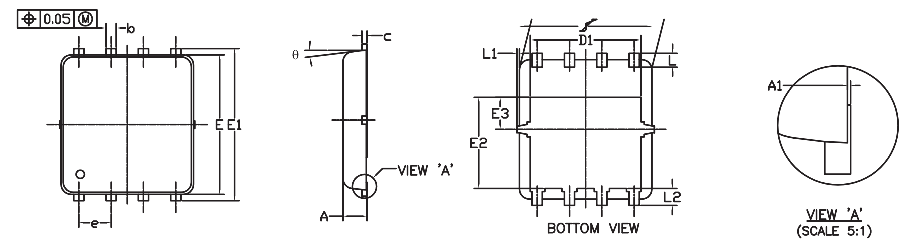


DFN8（3X2）



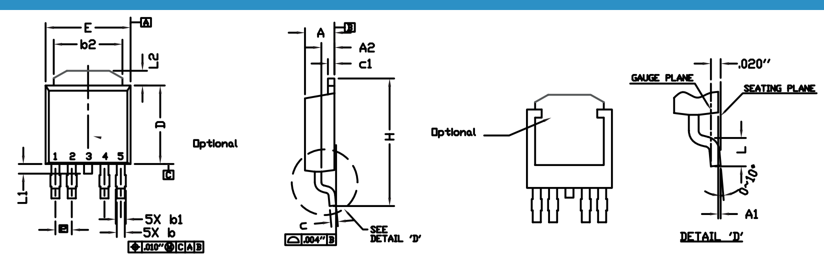
Symbol		A	B	C	C1	D	E	E1	e	L	S	θ
mm	Min	1	0.25	0.1	0	2.95	1.825	1.55	0.65（BSC）	0.28	0.55（BSC）	5°Nom
	Nom	-	0.3	0.15	-	3.05	1.9	1.65		-		
	Max	1.1	0.35	0.2	0.038	3.1	1.975	1.7		0.42		
Inches	Min	0.039	0.01	0.004	0	0.116	0.072	0.061	0.0256（BSC）	0.011	0.022（BSC）	5°Nom
	Nom	-	0.012	0.006	-	0.12	0.075	0.065		-		
	Max	0.043	0.014	0.008	0.0015	0.122	0.078	0.067		0.017		

DFN8（5X6）



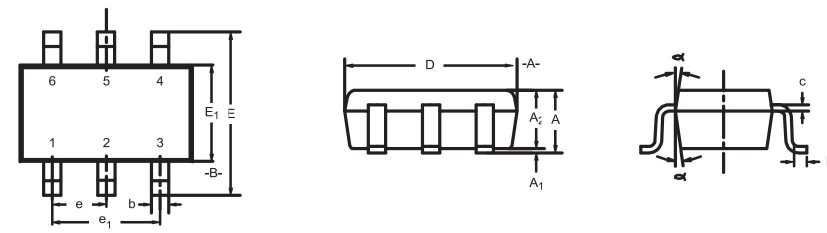
Symbol		A	A1	B	C	D	D1	E	E1	E2	E3	e	L	L1	L2	θ
mm	Min	0.85	0	0.3	0.15	5.1	4.25	5.45	5.95	3.525	1.175	1.27 (BSC)	0.45	0	0.689 (REF)	0°
	Nom	0.95	-	0.4	0.2	5.2	4.35	5.55	6.05	3.625	1.275		0.55	-		-
	Max	1	0.05	0.5	0.25	5.3	4.45	5.65	6.15	3.725	1.375		0.65	0.15		10°
Inches	Min	0.033	0	0.012	0.006	0.201	0.167	0.215	0.234	0.139	0.046	0.05 (BSC)	0.018	0	0.027 (REF)	0°
	Nom	0.037	-	0.016	0.008	0.205	0.171	0.219	0.238	0.143	0.05		0.022	-		-
	Max	0.039	0.002	0.02	0.01	0.209	0.175	0.222	0.242	0.147	0.054		0.026	0.006		10°

TO252



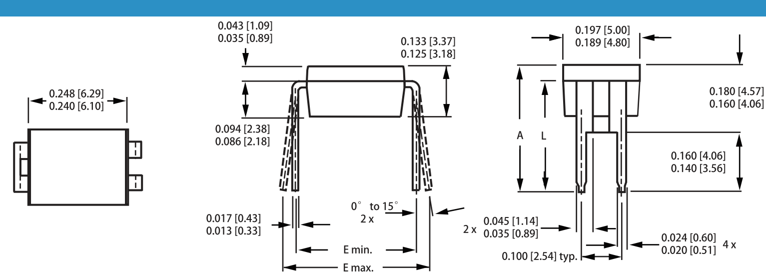
Symbol		A	A1	A2	B	B1	B2	C	C1	D	E	e	H	L	L1	L2
mm	Min	2.184	0	0.889	0.508	0.584	4.953	0.457	0.457	5.969	6.35	1.27 (BSC)	9.398	1.27	-	0.889
	Nom	2.286	-	-	-	-	-	0.508	-	6.096	6.604		-	-	-	-
	Max	2.388	0.127	1.143	0.711	0.787	5.461	0.61	0.61	6.223	6.731		10.41	2.032	1.016	1.27
Inches	Min	0.086	0	0.035	0.02	0.023	0.195	0.018	0.018	0. 235	0.25	0.050 (BSC)	0.37	0.05	-	0.035
	Nom	0.09	-	-	-	-	-	0.02	-	0. 24	0.26		-	-	-	-
	Max	0.094	0.005	0.045	0.028	0.031	0.215	0.024	0.024	0. 245	0.265		0.41	0.08	0.04	0.05

SC70-6



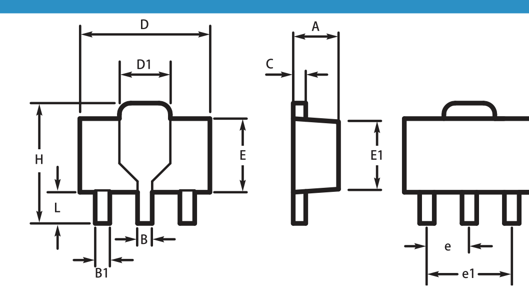
Symbol		A	A1	A2	B	C	D	E	E1	e	e1	L	θ
mm	Min	0.9	-	0.8	0.15	0.1	1.8	1.8	1.15	0.65（BSC）	1.2	0.1	7°Nom
	Nom	-	-	-	-	-	2	2.1	1.25		1.3	0.2	
	Max	1.1	0.1	1	0.3	0.25	2.2	2.4	1.35		1.4	0.3	
Inches	Min	0.035	-	0.031	0.006	0.004	0.071	0.071	0.045	0.026（BSC）	0.047	0.004	7°Nom
	Nom	-	-	-	-	-	0.079	0.083	0.049		0.051	0.008	
	Max	0.043	0.004	0.039	0.012	0.01	0.087	0.094	0.053		0.055	0.012	

DIP8



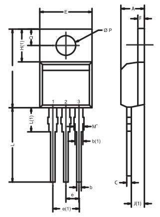
Symbol		A	E	L
mm	Min	0.31	0.3	0.27
	Max	0.33	0.425	0.29
Inches	Min	7.87	7.62	6.86
	Max	8.38	10.79	7.36

SOT89



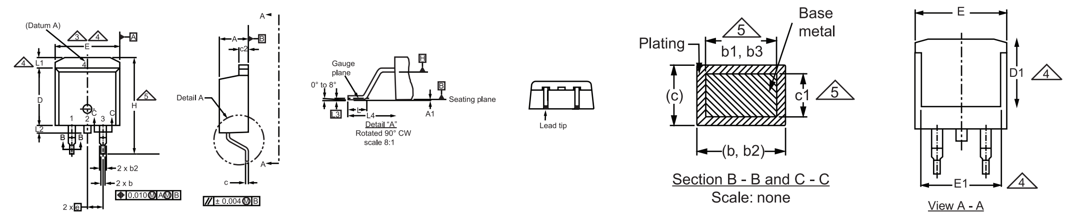
Symbol		A	B	B1	C	D	D1	E	E1	e	e1	H	L
mm	Min	1.4	0.44	0.36	0.35	4.4	1.62	2.29	2.13	1.5	3.0	3.94	0.89
	Max	1.6	0.56	0.48	0.44	4.6	1.83	2.6	2.29	（BSC）	（BSC	4.25	1.2
Inches	Min	0.55	0.017	0.014	0.014	0.173	0.064	0.09	0.084	0. 059	0.118	0.155	0.035
	Max	0.63	0.022	0.019	0.017	0.181	0.072	0.102	0.09	（BSC）	（BSC	0.167	0.047

TO220



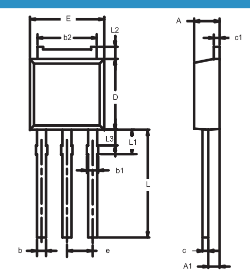
Symbol		A	B	B(1)	C	D	E	e	e1	F	H(1)	J(1)	L	L(1)	OP	Q
mm	Min	4.25	0.69	1.2	0.36	14.85	10.04	2.41	4.88	1.14	6.09	2.41	13.35	3.32	3.54	2.6
	Max	4.65	1.01	1.73	0.61	15.49	10.51	2.67	5.28	1.4	6.48	2.92	14.02	3.82	3.94	3
Inches	Min	0.167	0.027	0.047	0.014	0.585	0.395	0.095	0.192	0.045	0.24	0.095	0.526	0.131	0.139	0.102
	Max	0.183	0.04	0.068	0.024	0.61	0.414	0.105	0.208	0.055	0.255	0.115	0.552	0.15	0.155	0.118

TO263



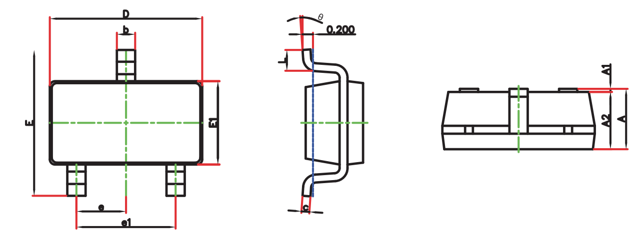
Symbol		A	A1	B	B1	B2	B3	C	C1	C2	D	D1	E	E1	e	H	L	L1	L2	L3	L4
mm	Min	4.06	0	0.51	0.51	1.14	1.14	0.38	0.38	1.14	8.38	6.86	9.65	6.22	2.54	14.6	1.78	-	-	0.25	4.78
	Max	4.83	0.25	0.99	0.89	1.78	1.73	0.74	0.58	1.65	9.65	-	10.7	-	(BSC)	15.9	2.79	1.65	1.78	(BSC)	5.28
Inches	Min	0.16	0	0.02	0.02	0.05	0.05	0.02	0.02	0.05	0.33	0.27	0.38	0.25	0.1	0.58	0.07	-	-	0.01	0.19
	Max	0.19	0.1	0.04	0.04	0.07	0.07	0.03	0.02	0.07	0.38	-	0.42	-	(BSC)	0.63	0.11	0.07	0.07	(BSC)	0.21

TO251



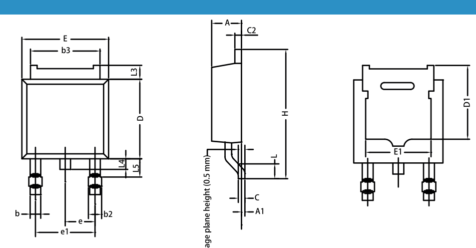
Symbol		A	A1	B	B1	B2	C	C1	D	E	e	L	L1	L2	L3
mm	Min	2.21	0.89	0.71	0.76	5.23	0.46	0.46	5.97	6.48	2.28	3.89	1.91	0.89	1.15
	Max	2.38	1.14	0.89	1.14	5.43	0.58	0.58	6.22	6.73	(BSC)	9.53	2.28	1.27	1.52
Inches	Min	0.087	0.035	0.028	0.03	0.206	0.018	0.018	0.235	0.255	0.09	0.153	0.075	0.035	0.045
	Max	0.094	0.045	0.035	0.045	0.214	0.023	0.023	0.245	0.265	(BSC)	0.375	0.09	0.05	0.06

SOT23-3L



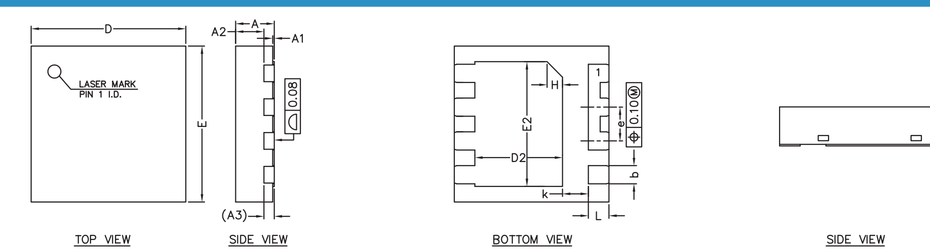
Symbol		A	A1	A2	B	C	D	E1	E	e	e1	L	θ
mm	Min	1.05	0	1.05	0.3	0.1	2.82	1.5	2.65	0.95	1.8	0.3	0°
	Max	1.25	0.1	1.15	0.5	0.2	3.02	1.7	2.95	(BSC)	2	0.6	8°
Inches	Min	0.041	0	0.041	0.012	0.004	0.111	0.059	0.104	0.037	0.071	0.012	0°
	Max	0.049	0.004	0.045	0.02	0.008	0.119	0.067	0.116	(BSC)	0.079	0.024	8°

TO252



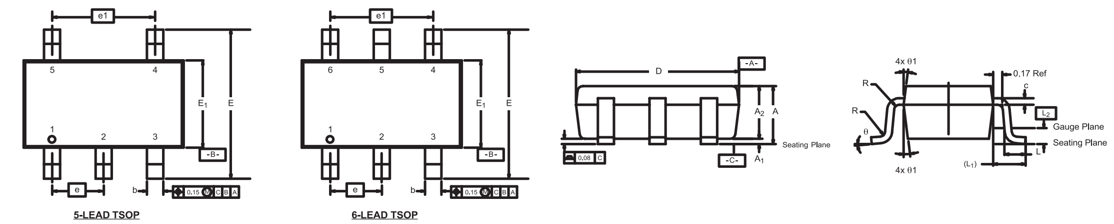
Symbol		A	A1	B	B2	B3	C	C2	D	D1	E	E1	H	e	el	L	L3	L4	L5
mm	Min	2.18	-	0.64	0.76	4.95	0.46	0.46	5.97	5.21	6.35	4.32	9.4	2.28	4.56	1.4	0.89	-	1.14
	Max	2.38	0.13	0.88	1.14	5.46	0.61	0.89	6.22	-	6.73	-	10.4	(BSC)	(BSC)	1.78	1.27	1.02	1.52
Inches	Min	0.09	-	0.03	0.03	0.2	0.02	0.02	0.24	0.205	0.25	0.17	0.37	0.09	0.18	0.06	0.04	-	0.05
	Max	0.09	0.01	0.04	0.05	0.22	0.02	0.04	0.25	–	0.27	-	0.41	(BSC)	(BSC)	0.07	0.05	0.04	0.06

DFN8（3X3）



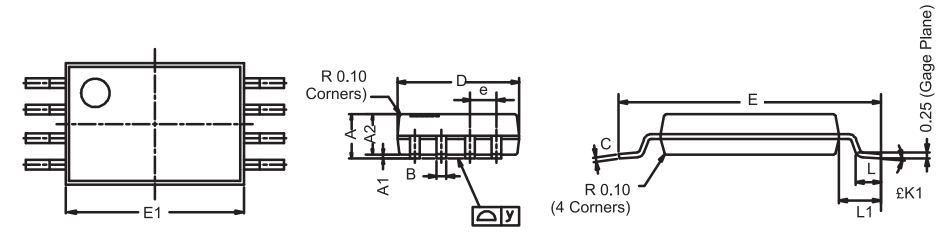
Symbol		A	A1	A2	A3	B	D	E	D2	E2	C	K	L
mm	Min	0.7	0	0.5	0.20(Ref)	0.3	2.9	2.9	1.6	2.3	0.55	0.4	0.35
	Nom	0.75	0.02	0.55		0.35	3	3	1.7	2.4	0.65	0.5	0.4
	Max	0.8	0.05	0.6		0.4	3.1	3.1	1.8	2.5	0.75	0.6	0.45

SOT23-6



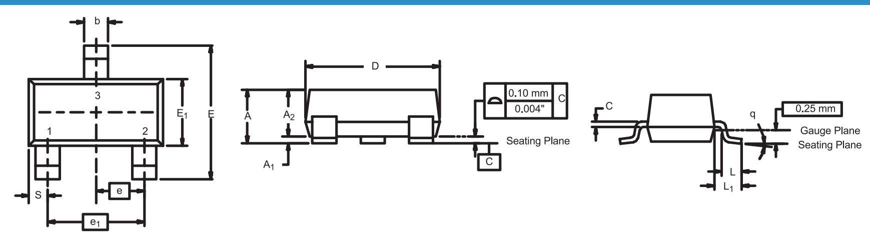
Symbol		A	A1	A2	B	C	D	E	E1	e	e1	L	L1	L2	R	θ	θ1
mm	Min	0.91	0.01	0.90	0.30	0.10	2.95	2.70	155.00	0.95 (BSC)	1.80	0.32	0.6 (Ref)	0.25 (BSC)	0.10	0°	7°Nom
	Nom	-	-	-	0.32	0.15	3.05	2.85	1.65		1.90	-			-	4°	
	Max	1.10	0.10	1.00	0.45	0.20	3.10	2.98	1.70		2.00	0.50			-	8°	
Inches	Min	0.036	4E-04	0.035	0.012	0.004	0.116	0.106	0.061	0.0374 (BSC)	0.071	0.012	0.024 (Ref)	0.010 (BSC)	0.004	0°	7°Nom
	Nom	-	-	0.038	0.013	0.006	0.12	0.112	0.065		0.075	-			-	4°	
	Max	0.043	0.004	0.039	0.018	0.008	0.122	0.117	0.067		0.079	0.02			-	8°	

TSSOP8



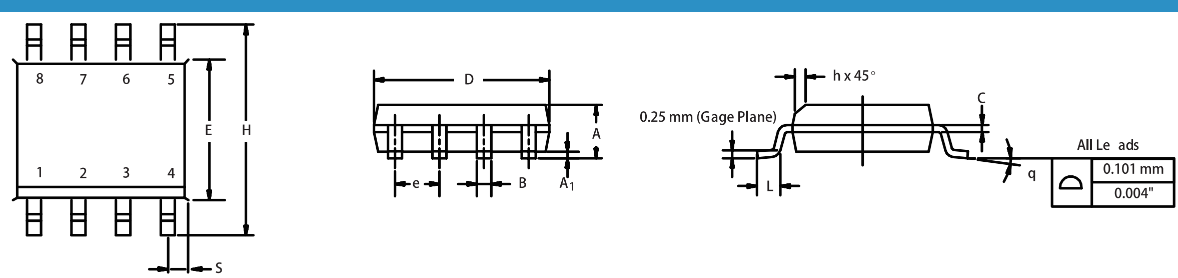
Symbol		A	A1	A2	B	C	D	E	E1	e	L	L1	Y	£K1
mm	Min	-	0.05	0.80	0.19	-	2.90	6.20	4.30	-	0.45	0.9	-	0°
	Nom	-	0.10	1.00	0.28	0.127	3.00	6.40	4.40	0.65	0.6	1	-	3°
	Max	1.20	0.15	1.05	0.30	-	3.10	6.60	4.50	-	0.75	1.1	0.10	6°

SOT23



Symbol		A	A1	A2	B	C	D	E	E1	e	e1	L	L1	S	q
mm	Min	0.89	0.01	0.88	0.35	0.09	2.80	2.10	1.20	0.95	1.9	0.40	0.64	0.5	3°
	Max	1.12	0.10	1.02	0.50	0.18	3.04	2.64	1.40	(BSC)	(BSC)	0.60	(Ref)	(Ref)	8°
Inches	Min	0.035	4E-04	0.035	0.014	0.003	0.11	0.083	0.047	0.0374	0.0748	0.016	0.025	0.020	3°
	Max	0.044	0.004	0.04	0.02	0.007	0.12	0.104	0.055	(Ref)	(Ref)	0.024	(Ref)	(BSC)	8°

SOP-8



Symbol		A	A1	B	C	D	E	e	H	h	L	q	S
mm	Min	1.35	0.10	0.35	0.19	4.80	3.80	1.27	5.80	0.25	0.5	0°	0.44
	Max	1.75	0.20	0.51	0.25	5.00	4.00	(BSC)	6.20	0.5	0.93	8°	0.64
Inches	Min	0.053	0.004	0.014	0.008	0.189	0.15	0.05	0.228	0.01	0.02	0°	0.018
	Max	0.069	0.008	0.02	0.01	0.196	0.157	(BSC)	0.244	0.02	0.037	8°	0.026