

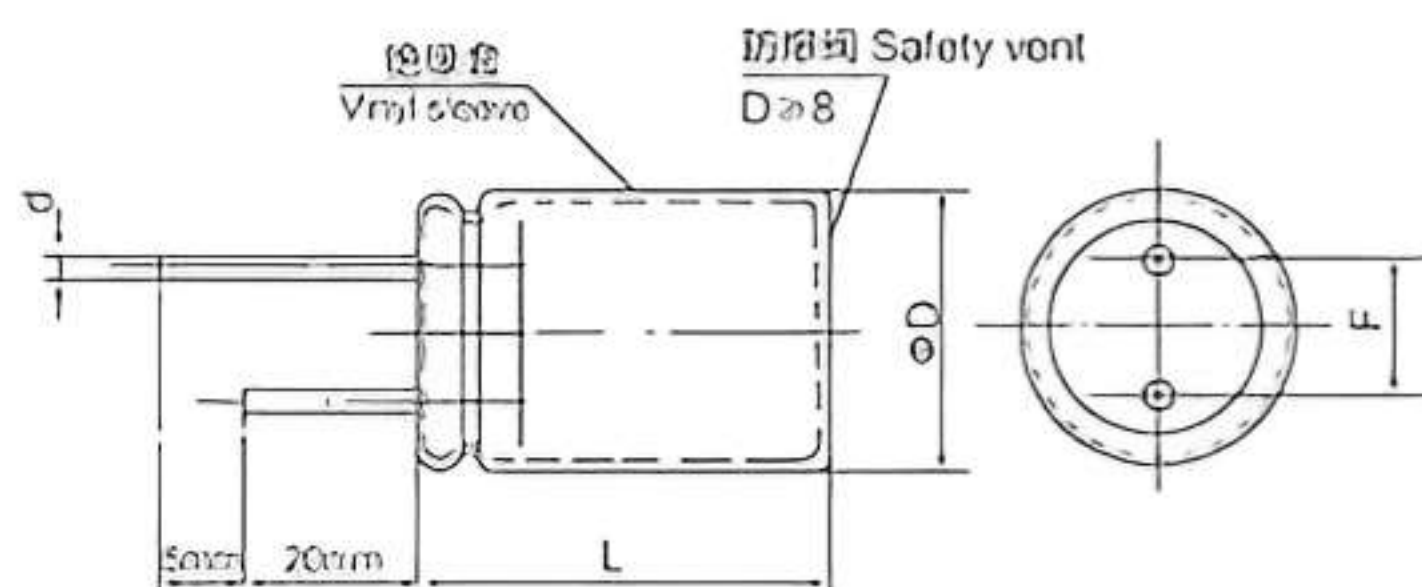
- 105℃ 2000小时。105℃ 2000hrs.
- 适用于彩电、音响、空调等电子线路中。
Used in color-TV, audio sets, air conditioning circuits etc.
- 符合 RoSH. RoSH Compliant



主要技术性能 Specifications

使用温度范围 Operating temperature range	-40~+105℃				-25~+105℃							
额定电压范围 Rated voltage range	6.3~100V				160~450V							
标称电容范围 Nominal capacitance range	0.1~10000 μ F											
标称电容允许偏差 Capacitance tolerance	± 20%											
漏电流 Leakage current	1 ≤ 0.01C _R U _R (μ A)或 (or) 3 μ A(取较小者 Whichever is smaller))											
损耗角正切值(tg δ) Dissipation factor (20℃, 120Hz)	U _R (V)	6.3	10	16	25	35	50	63	100	160	250	450
	tg δ	0.24	0.20	0.16	0.14	0.12	0.10	0.09	0.08	0.18	0.18	0.18
容量大于1000 μ F者, 每增加1000 μ F,其损耗角正切值增加0.02 0.02 is added to every 1000 μ F increase over 1000 μ F												
温度特性Temperature characteristics (impedance ratio at 120Hz)	U _R (V)	6.3	10~16	25~50	100	160	250~350	400~450				
	Z-25℃/Z+20℃	5	4	2	2	4	5	15				
	Z-40℃/Z+20℃	10	8	3	3							
容量大于1000 μ F者, 每增加1000 μ F, 阻抗比增加1 1 is added to every 1000 μ F increase over 1000 μ F												
耐久性 Load life	+105℃, 施加带纹波电流的额定电压2000小时, 恢复24小时后: After applying rated voltage with specified ripple current for 2000 hours at 105℃ and then resumed 24 hours; 电容变化率 Capacitance change : U _R ≤ 6.3v ± 20~30%; 6.3v < U _R ≤ 160v ± 15%初始测量值以内 Initial measured value 漏电流 Leakage current: ≤ 初始规定值 Initial specified value 损耗角正切值 Dissipation factor: ≤ 1.5 倍初始规定值 Initial specified value											
高温贮存 Shelf life	+105℃, 1000小时, 恢复24小时后: After storage for 500 hours at +105℃ and then resumed 24 hours; 电容变化率 Capacitance change : ± 20% 初始测量值以内 Initial measured value 漏电流 Leakage current: ≤ 2 倍初始规定值 Initial specified value 损耗角正切值 Dissipation factor: ≤ 1.5倍初始规定值 Initial specified value											

外形图及尺寸表 Case size table



D	± 0.5			± 1.0			
	5	6.3	8	10	12.5	16	19
$L \begin{smallmatrix} \pm 2.0 \\ 0 \end{smallmatrix}$	11	11	12	12,16,20	20,25	25,30,35	30,35,40,45
$F \pm 0.5$	2	2.5	3.5	5		7.5	
$d \pm 1.0$	0.5		0.6			0.8	

■ 标称电容量、额定电压、浪涌电压与外形尺寸对应表

Nominal capacitance, rated voltage, surge voltage and case size table

Cap(μF)	V(code) U _R Code	6.3V		10V		16V		25V		50V		50V		63V	
		8		13		20		32		44		63		72	
		OJ		1A		1C		1E		1V		1H		1J	
0.1	ORI											5x11	3.3	5x11	4
0.22	R22											5x11	3.3	5x11	4
0.33	R33											5x11	5.5	5x11	6
0.47	R47											5x11	7.5	5x11	8
1	010											5x11	17	5x11	17
2.2	2R2											5x11	28	5x11	31
3.3	3R3											5x11	39	5x11	39
4.7	4R7							5x11	34	5x11	44	5x11	46	5x11	50
10	100					5x11	44	5x11	50	5x11	66	5x11	72	5x11	77
22	220			5x11	66	5x11	83	5x11	94	5x11	108	5x11	110	6.3x11	127
33	330	5x11	72	5x11	88	5x11	84	5x11	105	5x11	121	5x11	132	6.3x11	149
												6.3x11	138	8x12	160
47	470	5x11	88	5x11	105	5x11	132	5x11	132	5x11	143	6.3x11	165	6.3x11	198
68	680	5x11	110	5x11	132	5x11	149	6.3x11	176	6.3x11	198	8x12	220	8x12	253
100	101	5x11	143	5x11	198	5x11	176	6.3x11	209	6.3x11	231	8x12	286	10x12	330
120	121	5x11	165	5x11	209	6.3x11	231	6.3x11	253	8x12	275	8x12	319	10x16	396
150	151	5x11	198	5x11	231	6.3x11	253	6.3x11	275	8x12	308	10x12	363	10x16	462
180	181	5x11	220	6.3x11	253	6.3x11	275	6.3x11	280	8x12	352	10x12	418	10x16	528
220	221	5x11	242	6.3x11	294	6.3x11	308			8x12	385			10x16	550
								8x12	363			10x16	484		
330	331	6.3x11	330	6.3x11	363	8x12	407	8x12	451	8x12	528	10x16	649	10x20	759
470	471	6.3x11	385	6.3x11	418	8x12	517	8x12	561			10x20	828	13x20	968
										10x16					
560	561	8x12	473	8x12	506	10x12	572	10x16	693	10x20	693	12.5x20	902	12.5x25	1056
680	681	8x12	539	8x12	572	8x16	640	10x16	792	10x20	847	12.5x20	1056	16x25	1265
820	821	8x12	605	10x12	671	10x16	803	10x16	891	13x20	891	12.5x25	1287	16x25	1430
1000	102	8x112	649	8x14	725	10x16	869	10x16	1050	13x20	1045	12.5x25	1485	16x25	1540
1200	122	10x12	814	10x16	902	10x16	979	12.5x20	1155	13x20	1265	16x25	1617	16x30	1837
1500	152	10x16	935	10x16	1001	10x20	1100	12.5x20	1353	13x25	1375	16x25	1848	16x35	2090
1800	182	10x16	1035	10x20	1089	10x20	1298	12.5x20	1496	16x25	1570	16x30	2112	16x35	2255
2200	222	10x20	1135	10x20	1210	10x20	1485	12.5x20	1705	16x25	1749	16x30	2310	19x30	2475
2700	272	10x20	1353	12.5x20	1419	12.5x20	1716	16x25	1804	16x30	1870	19x30	2420	22x40	2860
3300	332	10x20	1430	12.5x20	1540	12.5x20	1750	16x25	1870	16x30	2178	19x35	2750	22x40	3080
3900	392	13x20	1529	12.5x20	1760	16x25	2002	16x30	2343	16x30	2365	19x40	2871		
4700	472	12.5x20	1672	12.5x25	1980	16x25	2310	16x30	2640	19x35	0552	22x40	3355		
5600	562	12.5x25	2002	12.5x25	2189	16x30	2453	19x30	2816	19x40	2640				
6800	682	16x25	2310	16x25	2475	16x30	2805	19x35	2970	22x40	2860				
8200	822	16x25	2332	16x30	2541	16x35	2893	19x35	2981		2915				
10000	103	16x30	2530	16x35	2640	19x35	2970	22x40	3960		3630				

■ 标称电容量、额定电压、浪涌电压与外形尺寸对应表

Nominal capacitance, rated voltage, surge voltage and case size table

Cap(μF)	Code	V(code)		100V		160V		200V		250V		350V		400V		450V	
		U _R		125		13		250		300		400		450		500	
		Code		2A		2C		2D		2E		2V		2G		2W	
0.1	0R1	5x11	4.5														
0.22	R22	5x11	6														
0.33	R33	5x11	10														
0.47	R47	5x11	14	5x11	12	5x11	12	5x11	12	6.3x11	15	6.3x11	12	6.3x11	12		
1	010	5x11	27	5x11	17	6.3x11	17	6.3x11	17	6.3x11	22	6.3x11	20	8x12	20		
2.2	2R2	5x11	40	6.3x11	30	6.3x11	30	6.3x11	20	8x12	30	8x12	32	8x12	32		
3.3	BR3	5x11	48	6.3x11	36	6.3x11	36	8x12	38	8x12	46	8x12	45	8x12	45		
								10x12	43	10x12	51	10x12	53	10x16	53		
4.7	4R7	5x11	58	6.3x11	40	8x12	40	8x12	48	8x12	55	8x12	55	10x12	55		
10	100	6.3x11	85	8x12	80	10x12	80	10x12	90	10x16	115	10x16	100	10x20	100		
22	220			10x12	135		135	10x20	135	12.5x20	180	12.3x20	190	12.5x20	190		
		8x12	164			10x16											
33	330	8x12	206	10x16	180	10x20	180	12.5x20	210	12.5x20	225	12.5x25	230	16x25	230		
47	470			10x20	230		230	12.5x20	240	16x25	290	16x25	270	16x30	270		
		8x14	278			12.5x20											
68	680	10x16	387	12.5x20	360		360	12.5x25	340	16x30	400			19x30			
						12.5x25						19x30	420		420		
100	101	10x20	472	12.5x25	430	16x25	430	16x25	410	19x30	430	19x30	440	19x40	440		
120	121	10x20	532	16x25	530	16x25	530	16x30	560	19x35	550	27x30	520	19x45	510		
150	151	12.5x20	629	16x25	560	16x30	560	19x30	600	19x40	570	22x30	520				
180	181	12.5x20	667	16x30	650	16x30	650	19x30	680								
220	221	12.5x25	740	16x35	850	16x35	850										
		16x25	872	16x35	890	19x30	890										
330	331	12.5x25	920	19x30	890	19x35	890										
470	471	16x25	1210	19x35	1180	19x45	1180										
560	561	16x30	1465	19x45	1320		1320										
680	681	16x30	1634														
820	821	19x30	1815														
1000	102	19x40	1940														

额定纹波电流 Rated ripple current(I(mA;+105℃, 120Hz)

可根据客户要求定制产品 Customer products are available on request.