

# SL Series

## DIP Power Inductors

### FEATURES

Lead-Free

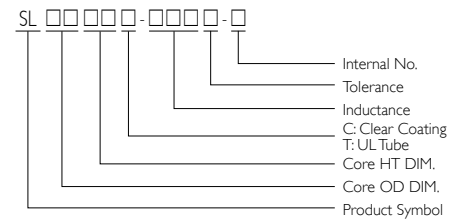
Low Cost

Wide Range of Inductance

High Reliability



### PRODUCT IDENTIFICATION

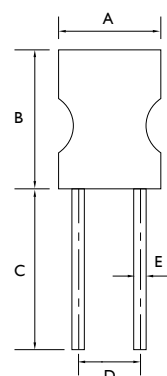


- Internal No.: N = Lead-Free
- Yageo uses UL tube on SL series to avoid damage when wave soldering.
- Customized specifications are also welcome.

### SHAPES AND DIMENSIONS

Unit: mm

TYPE	A	B	C	D	E
SL0406	6 <sup>+0</sup>	9 <sup>+0</sup>	15 <sup>-0</sup>	2.0 ± 1.0	0.5ø
SL0608	8 <sup>+0</sup>	12 <sup>+0</sup>	15 <sup>-0</sup>	3.5 ± 1.5	0.65ø
SL1016	13 <sup>+0</sup>	19 <sup>+0</sup>	20 <sup>-0</sup>	6.5 ± 1.5	0.8ø





## ELECTRICAL CHARACTERISTICS SL0406

PART NO.	INDUCTANCE ( $\mu$ H)	TEST FREQUENCY (MHz)	Q Min.	DC RESISTANCE ( $\Omega$ ) Max.	IDC (mA)
SL0406-1R0K-N	1.0	7.96	50	0.15	300
SL0406-1R2K-N	1.2	7.96	50	0.15	300
SL0406-1R5K-N	1.5	7.96	55	0.20	300
SL0406-1R8K-N	1.8	7.96	70	0.20	300
SL0406-2R2K-N	2.2	7.96	75	0.25	300
SL0406-2R7K-N	2.7	7.96	80	0.25	300
SL0406-3R3K-N	3.3	7.96	80	0.25	300
SL0406-3R9K-N	3.9	7.96	80	0.30	300
SL0406-4R7K-N	4.7	7.96	75	0.30	300
SL0406-5R6K-N	5.6	7.96	75	0.35	300
SL0406-6R8K-N	6.8	7.96	70	0.35	300
SL0406-8R2K-N	8.2	7.96	70	0.35	300
SL0406-100K-N	10	2.52	80	0.60	300
SL0406-120K-N	12	2.52	80	0.65	200
SL0406-150K-N	15	2.52	80	0.75	200
SL0406-180K-N	18	2.52	75	0.85	200
SL0406-220K-N	22	2.52	75	1.00	200
SL0406-270K-N	27	2.52	75	1.20	200
SL0406-330K-N	33	2.52	75	1.30	200
SL0406-390K-N	39	2.52	70	1.50	200
SL0406-470K-N	47	2.52	70	1.60	200
SL0406-560K-N	56	2.52	65	1.65	200
SL0406-680K-N	68	2.52	60	1.80	200
SL0406-820K-N	82	2.52	55	1.85	200
SL0406-101K-N	100	0.796	80	2.00	200
SL0406-121K-N	120	0.796	80	2.50	100
SL0406-151K-N	150	0.796	80	3.00	100
SL0406-181K-N	180	0.796	75	3.50	100
SL0406-221K-N	220	0.796	75	4.00	100
SL0406-271K-N	270	0.796	70	5.00	100
SL0406-331K-N	330	0.796	70	6.00	50
SL0406-391K-N	390	0.796	70	6.50	50
SL0406-471K-N	470	0.796	70	7.50	50
SL0406-561K-N	560	0.796	70	8.00	50
SL0406-681K-N	680	0.796	70	8.50	50
SL0406-821K-N	820	0.796	70	9.50	50

Note:

Test Instruments: L/Q- HP4285+HP42851A

SRF- HP4287A

RDC- CHEN HWA502BC

IDC- CHEN HWA CHI061+301A

Customized specifications are also welcome.

## ELECTRICAL CHARACTERISTICS SL0608

PART NO.	INDUCTANCE (mH)	TEST FREQUENCY (KHz)	Q Min.	DC RESISTANCE ( $\Omega$ ) Max.	IDC (mA)
SL0608□-102K-N	1.0	252	80	4.0	110
SL0608□-122K-N	1.2	252	80	4.7	95
SL0608□-152K-N	1.5	252	80	5.9	90
SL0608□-182K-N	1.8	252	80	6.0	80
SL0608□-222K-N	2.2	252	80	7.3	70
SL0608□-272K-N	2.7	252	80	9	65
SL0608□-332K-N	3.3	252	80	10	60
SL0608□-392K-N	3.9	252	80	11	55
SL0608□-472K-N	4.7	252	80	15	52
SL0608□-562K-N	5.6	252	80	16	50
SL0608□-682K-N	6.8	252	80	22	45
SL0608□-822K-N	8.2	252	80	25	40
SL0608□-103K-N	10	79.6	80	33	35
SL0608□-123K-N	12	79.6	80	53	32
SL0608□-153K-N	15	79.6	80	62	30
SL0608□-183K-N	18	79.6	80	68	28
SL0608□-223K-N	22	79.6	80	78	25
SL0608□-273K-N	27	79.6	80	90	22
SL0608□-333K-N	33	79.6	80	150	20
SL0608□-393K-N	39	79.6	80	160	16
SL0608□-473K-N	47	79.6	80	190	15

Note:

Test Instruments: L/Q- HP4285+HP4285 1A  
RDC- CHEN HWA502BC

Customized specifications are also welcome.



## ELECTRICAL CHARACTERISTICS SL1016

PART NO.	INDUCTANCE ( $\mu$ H)	DC RESISTANCE ( $\Omega$ ) Max.	IDC (A)
SL1016□-4R7K-N	4.7	0.018	10.00
SL1016□-6R8K-N	6.8	0.020	10.00
SL1016□-8R2K-N	8.2	0.022	10.00
SL1016□-100K-N	10	0.027	7.60
SL1016□-120K-N	12	0.024	7.50
SL1016□-150K-N	15	0.031	6.50
SL1016□-180K-N	18	0.039	6.00
SL1016□-220K-N	22	0.039	5.40
SL1016□-330K-N	33	0.047	4.40
SL1016□-470K-N	47	0.053	3.80
SL1016□-560K-N	56	0.068	3.40
SL1016□-680K-N	68	0.078	3.00
SL1016□-101K-N	100	0.099	2.50
SL1016□-121K-N	120	0.128	2.00
SL1016□-151K-N	150	0.182	1.80
SL1016□-181K-N	180	0.195	1.60
SL1016□-221K-N	220	0.312	1.40
SL1016□-271K-N	270	0.32	1.30
SL1016□-331K-N	330	0.39	1.20
SL1016□-391K-N	390	0.40	1.10
SL1016□-471K-N	470	0.49	1.00
SL1016□-561K-N	560	0.52	0.95
SL1016□-681K-N	680	0.88	0.80
SL1016□-821K-N	820	0.89	0.75
SL1016□-102K-N	1,000	1.50	0.65
SL1016□-122K-N	1,200	1.15	0.60
SL1016□-152K-N	1,500	1.30	0.52
SL1016□-182K-N	1,800	1.90	0.50
SL1016□-222K-N	2,200	2.00	0.45
SL1016□-332K-N	3,300	4.60	0.35
SL1016□-472K-N	4,700	5.60	0.30
SL1016□-682K-N	6,800	7.00	0.25
SL1016□-752K-N	7,500	7.70	0.24
SL1016□-822K-N	8,200	10.40	0.23
SL1016□-103K-N	10,000	11.70	0.18
SL1016□-123K-N	12,000	13.80	0.16
SL1016□-153K-N	15,000	15.60	0.15
SL1016□-223K-N	22,000	23.40	0.10

Note:

Test Instruments: L- HP4263B at KHz/1V

RDC- CHEN HWA502BC

IDC- CHEN HWA CHI061+301A

Customized specifications are also welcome.