

On-Board Type Coils / Chip Power Inductor

◆ Features

1. Magnetic Shielded surface mount inductor with high current rating.
2. Low resistance to keep power loss minimum.
3. The products contain no lead and also support lead-free soldering.



◆ Applications

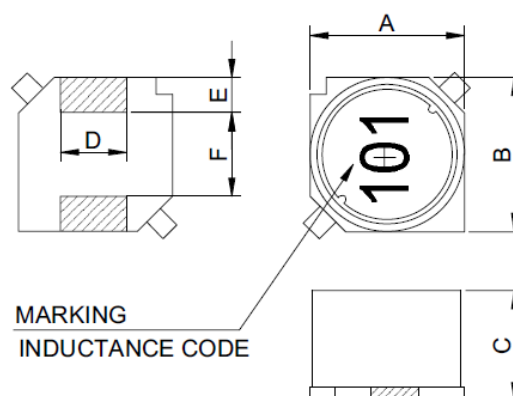
Excellent for power line DC-DC conversion applications used in hard disk, notebook computers and other electronic equipment.



◆ Lead Free Part Numbering

SLP 6045 S 100 M T T
(1) (2) (3) (4) (5) (6) (7)

- (1) Series Type
- (2) Dimension: A X C
- (3) Material Code
- (4) Inductance: 2R2=2.2 μ H ;
100=10 μ H; 101=100 μ H
- (5) Inductance Tolerance: M= \pm 20%, Y= \pm 30%
- (6) Company Code
- (7) Packaging : packed in embossed carrier tape



◆ Dimensions

Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)
SLP6025S	6.0 \pm 0.2	6.0 \pm 0.2	2.5 \pm 0.2	2.0 \pm 0.1	0.9 \pm 0.1	4.0 \pm 0.2
SLP6028S	6.0 \pm 0.2	6.0 \pm 0.2	2.8 \pm 0.2	2.0 \pm 0.1	0.9 \pm 0.1	4.0 \pm 0.2
SLP6045S	6.0 \pm 0.2	6.0 \pm 0.2	4.5 \pm 0.3	2.0 \pm 0.1	0.9 \pm 0.1	4.0 \pm 0.2
SLP7032S	7.0 \pm 0.2	7.0 \pm 0.2	3.2 \pm 0.2	2.0 \pm 0.1	0.9 \pm 0.1	4.9 \pm 0.2
SLP7045S	7.0 \pm 0.2	7.0 \pm 0.2	4.5 \pm 0.3	2.0 \pm 0.1	0.9 \pm 0.1	4.9 \pm 0.2
SLP7055S	7.0 \pm 0.2	7.0 \pm 0.2	5.5 \pm 0.3	2.0 \pm 0.1	0.9 \pm 0.1	4.9 \pm 0.2
SLP1045S	10.0 \pm 0.3	10.0 \pm 0.3	4.5 \pm 0.3	3.0 \pm 0.1	2.0 \pm 0.1	6.1 \pm 0.2
SLP1065S	10.0 \pm 0.3	10.0 \pm 0.3	6.5 \pm 0.3	3.0 \pm 0.1	2.0 \pm 0.1	6.1 \pm 0.2
SLP1255S	12.5 \pm 0.3	12.5 \pm 0.3	5.5 \pm 0.3	3.0 \pm 0.1	2.0 \pm 0.1	8.5 \pm 0.2
SLP1265S	12.5 \pm 0.3	12.5 \pm 0.3	6.5 \pm 0.3	3.0 \pm 0.1	2.0 \pm 0.1	8.5 \pm 0.2
SLP1275S	12.5 \pm 0.3	12.5 \pm 0.3	7.5 \pm 0.3	3.0 \pm 0.1	2.0 \pm 0.1	8.5 \pm 0.2

◆ Specification

Part Number	Inductance (μ H)	Test Frequency (Hz)	DCR (Ω) $\pm 20\%$.	IDC (A) max.
SLP6025S Series				
SLP6025S4R7MTT	4.7 $\pm 20\%$	1V/100K	0.031	1.80
SLP6025S6R8MTT	6.8 $\pm 20\%$	1V/100K	0.044	1.50
SLP6025S100MTT	10 $\pm 20\%$	1V/100K	0.057	1.30
SLP6025S150MTT	15 $\pm 20\%$	1V/100K	0.085	1.10
SLP6025S220MTT	22 $\pm 20\%$	1V/100K	0.122	0.94
SLP6025S330MTT	33 $\pm 20\%$	1V/100K	0.180	0.79
SLP6025S470MTT	47 $\pm 20\%$	1V/100K	0.240	0.67
SLP6025S680MTT	68 $\pm 20\%$	1V/100K	0.370	0.54
SLP6025S101MTT	100 $\pm 20\%$	1V/100K	0.500	0.47
SLP6028S Series				
SLP6028S6R8MTT	6.8 $\pm 20\%$	1V/100K	0.028	2.50
SLP6028S100MTT	10 $\pm 20\%$	1V/100K	0.035	2.20
SLP6028S150MTT	15 $\pm 20\%$	1V/100K	0.053	1.80
SLP6028S220MTT	22 $\pm 20\%$	1V/100K	0.074	1.40
SLP6028S330MTT	33 $\pm 20\%$	1V/100K	0.104	1.30
SLP6028S470MTT	47 $\pm 20\%$	1V/100K	0.148	1.10
SLP6028S680MTT	68 $\pm 20\%$	1V/100K	0.210	0.92
SLP6028S101MTT	100 $\pm 20\%$	1V/100K	0.290	0.78
SLP6028S151MTT	150 $\pm 20\%$	1V/100K	0.430	0.64
SLP6028S221MTT	220 $\pm 20\%$	1V/100K	0.650	0.50
SLP6045S Series				
SLP6045S1R5MTT	1.5 $\pm 20\%$	1V/100K	0.016	4.10
SLP6045S2R2MTT	2.2 $\pm 20\%$	1V/100K	0.018	3.80
SLP6045S3R3MTT	3.3 $\pm 20\%$	1V/100K	0.021	3.40
SLP6045S4R7MTT	4.7 $\pm 20\%$	1V/100K	0.026	3.20
SLP6045S6R8MTT	6.8 $\pm 20\%$	1V/100K	0.033	2.80
SLP6045S100MTT	10 $\pm 20\%$	1V/100K	0.039	2.70
SLP6045S150MTT	15 $\pm 20\%$	1V/100K	0.059	2.20
SLP6045S220MTT	22 $\pm 20\%$	1V/100K	0.082	1.80

◆ Specification

Part Number	Inductance (μ H)	Test Frequency (Hz)	DCR (Ω) \pm 20%.	IDC (A) max.
SLP7032S Series				
SLP7032S3R3MTT	3.3 \pm 20%	1V/100K	0.023	2.60
SLP7032S3R5MTT	3.5 \pm 20%	1V/100K	0.025	2.50
SLP7032S4R7MTT	4.7 \pm 20%	1V/100K	0.030	1.90
SLP7032S6R8MTT	6.8 \pm 20%	1V/100K	0.041	1.70
SLP7032S100MTT	10 \pm 20%	1V/100K	0.053	1.40
SLP7032S150MTT	15 \pm 20%	1V/100K	0.075	1.10
SLP7032S220MTT	22 \pm 20%	1V/100K	0.110	0.96
SLP7032S330MTT	33 \pm 20%	1V/100K	0.160	0.75
SLP7032S470MTT	47 \pm 20%	1V/100K	0.240	0.67
SLP7032S680MTT	68 \pm 20%	1V/100K	0.310	0.59
SLP7032S101MTT	100 \pm 20%	1V/100K	0.450	0.45
SLP7032S151MTT	150 \pm 20%	1V/100K	0.650	0.37
SLP7032S221MTT	220 \pm 20%	1V/100K	1.050	0.29
SLP7032S331MTT	330 \pm 20%	1V/100K	1.670	0.22
SLP7032S471MTT	470 \pm 20%	1V/100K	2.050	0.20
SLP7032S681MTT	680 \pm 20%	1V/100K	3.150	0.16
SLP7045S Series				
SLP7045S3R3MTT	3.3 \pm 20%	1V/100K	0.020	2.30
SLP7045S4R7MTT	4.7 \pm 20%	1V/100K	0.030	2.10
SLP7045S6R8MTT	6.8 \pm 20%	1V/100K	0.039	1.74
SLP7045S100MTT	10 \pm 20%	1V/100K	0.036	1.78
SLP7045S150MTT	15 \pm 20%	1V/100K	0.052	1.53
SLP7045S220MTT	22 \pm 20%	1V/100K	0.061	1.34
SLP7045S330MTT	33 \pm 20%	1V/100K	0.096	1.09
SLP7045S470MTT	47 \pm 20%	1V/100K	0.125	0.92
SLP7045S680MTT	68 \pm 20%	1V/100K	0.175	0.77
SLP7045S101MTT	100 \pm 20%	1V/100K	0.250	0.65
SLP7045S151MTT	150 \pm 20%	1V/100K	0.340	0.55
SLP7045S221MTT	220 \pm 20%	1V/100K	0.520	0.45
SLP7045S331MTT	330 \pm 20%	1V/100K	0.740	0.37
SLP7045S471MTT	470 \pm 20%	1V/100K	1.050	0.31
SLP7045S681MTT	680 \pm 20%	1V/100K	1.480	0.27
SLP7045S102MTT	1000 \pm 20%	1V/100K	2.280	0.25

◆ Specification

Part Number	Inductance (μ H)	Test Frequency (Hz)	DCR (Ω) \pm 20%.	IDC (A) max.
SLP7055S Series				
SLP7055S1R5MTT	1.5 \pm 20%	1V/100K	0.017	6.2
SLP7055S2R2MTT	2.2 \pm 20%	1V/100K	0.021	5.3
SLP7055S3R3MTT	3.3 \pm 20%	1V/100K	0.024	4.3
SLP7055S4R7MTT	4.7 \pm 20%	1V/100K	0.028	3.6
SLP7055S6R8MTT	6.8 \pm 20%	1V/100K	0.034	3.0
SLP7055S100MTT	10 \pm 20%	1V/100K	0.039	2.6
SLP7055S150MTT	15 \pm 20%	1V/100K	0.051	2.1
SLP7055S220MTT	22 \pm 20%	1V/100K	0.064	1.7
SLP1045S Series				
SLP1045S3R3MTT	3.3 \pm 20%	1V/1K	0.016	4.90
SLP1045S5R6MTT	5.6 \pm 20%	1V/1K	0.022	3.80
SLP1045S100MTT	10 \pm 20%	1V/1K	0.036	3.00
SLP1045S150MTT	15 \pm 20%	1V/1K	0.047	2.40
SLP1045S220MTT	22 \pm 20%	1V/1K	0.059	2.10
SLP1045S330MTT	33 \pm 20%	1V/1K	0.082	1.60
SLP1045S470MTT	47 \pm 20%	1V/1K	0.100	1.40
SLP1045S680MTT	68 \pm 20%	1V/1K	0.140	1.20
SLP1045S101MTT	100 \pm 20%	1V/1K	0.200	1.00
SLP1045S151MTT	150 \pm 20%	1V/1K	0.350	0.79
SLP1045S221MTT	220 \pm 20%	1V/1K	0.470	0.65
SLP1045S331MTT	330 \pm 20%	1V/1K	0.680	0.54
SLP1045S471MTT	470 \pm 20%	1V/1K	1.030	0.47
SLP1045S681MTT	680 \pm 20%	1V/1K	1.600	0.38
SLP1045S102MTT	1000 \pm 20%	1V/1K	2.800	0.32
SLP1045S152MTT	1500 \pm 20%	1V/1K	3.400	0.22
SLP1065S Series				
SLP1065S1R5MTT	1.5 \pm 20%	1V/1K	0.0067	10.7
SLP1065S2R2MTT	2.2 \pm 20%	1V/1K	0.0084	8.9
SLP1065S3R3MTT	3.3 \pm 20%	1V/1K	0.0096	7.8
SLP1065S4R7MTT	4.7 \pm 20%	1V/1K	0.0117	6.1
SLP1065S6R8MTT	6.8 \pm 20%	1V/1K	0.014	4.6
SLP1065S100MTT	10 \pm 20%	1V/1K	0.018	4.1
SLP1065S150MTT	15 \pm 20%	1V/1K	0.027	3.1

◆ Specification

Part Number	Inductance (μ H)	Test Frequency (Hz)	DCR (Ω) \pm 20%.	IDC (A) max.
SLP1255S Series				
SLP1255S6R0MTT	6 \pm 20%	1V/1K	0.016	4.90
SLP1255S100MTT	10 \pm 20%	1V/1K	0.022	4.30
SLP1255S150MTT	15 \pm 20%	1V/1K	0.026	3.90
SLP1255S220MTT	22 \pm 20%	1V/1K	0.034	3.40
SLP1255S330MTT	33 \pm 20%	1V/1K	0.042	3.10
SLP1255S470MTT	47 \pm 20%	1V/1K	0.062	2.50
SLP1255S680MTT	68 \pm 20%	1V/1K	0.083	2.20
SLP1255S101MTT	100 \pm 20%	1V/1K	0.117	1.80
SLP1255S151MTT	150 \pm 20%	1V/1K	0.190	1.40
SLP1255S221MTT	220 \pm 20%	1V/1K	0.270	1.20
SLP1255S331MTT	330 \pm 20%	1V/1K	0.410	1.00
SLP1255S471MTT	470 \pm 20%	1V/1K	0.520	0.88
SLP1255S681MTT	680 \pm 20%	1V/1K	0.760	0.73
SLP1255S102MTT	1000 \pm 20%	1V/1K	1.120	0.60
SLP1255S152MTT	1500 \pm 20%	1V/1K	1.730	0.48
SLP1265S Series				
SLP1265S2R0MTT	2 \pm 20%	1V/1K	0.012	10.0
SLP1265S4R2MTT	4.2 \pm 20%	1V/1K	0.015	7.3
SLP1265S7R0MTT	7 \pm 20%	1V/1K	0.018	5.7
SLP1265S100MTT	10 \pm 20%	1V/1K	0.020	5.0
SLP1265S150MTT	15 \pm 20%	1V/1K	0.024	4.2
SLP1265S220MTT	22 \pm 20%	1V/1K	0.032	3.5
SLP1265S330MTT	33 \pm 20%	1V/1K	0.041	2.8
SLP1265S470MTT	47 \pm 20%	1V/1K	0.058	2.4
SLP1265S680MTT	68 \pm 20%	1V/1K	0.079	2.0
SLP1265S101MTT	100 \pm 20%	1V/1K	0.123	1.6
SLP1265S221MTT	220 \pm 20%	1V/1K	0.273	1.0

◆ Specification

Part Number	Inductance (μ H)	Test Frequency (Hz)	DCR (Ω) $\pm 20\%$.	IDC (A) max.
SLP1275S Series				
SLP1275S1R2MTT	1.2 $\pm 20\%$	1V/1K	0.007	13.0
SLP1275S2R7MTT	2.7 $\pm 20\%$	1V/1K	0.009	10.0
SLP1275S3R9MTT	3.9 $\pm 20\%$	1V/1K	0.010	9.0
SLP1275S5R6MTT	5.6 $\pm 20\%$	1V/1K	0.012	7.8
SLP1275S6R8MTT	6.8 $\pm 20\%$	1V/1K	0.013	7.2
SLP1275S100MTT	10 $\pm 20\%$	1V/1K	0.016	5.5
SLP1275S150MTT	15 $\pm 20\%$	1V/1K	0.018	4.7
SLP1275S220MTT	22 $\pm 20\%$	1V/1K	0.026	4.0
SLP1275S330MTT	33 $\pm 20\%$	1V/1K	0.040	3.2
SLP1275S470MTT	47 $\pm 20\%$	1V/1K	0.053	2.7
SLP1275S680MTT	68 $\pm 20\%$	1V/1K	0.078	2.0
SLP1275S101MTT	100 $\pm 20\%$	1V/1K	0.125	1.9
SLP1275S151MTT	150 $\pm 20\%$	1V/1K	0.175	1.5
SLP1275S221MTT	220 $\pm 20\%$	1V/1K	0.258	1.3

Note: 1、 Inductance measured by LCR Meter HP 4294/HP4291;
 2、 DCR measured by Milliohm meter CH502AC.

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