

◆ **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**

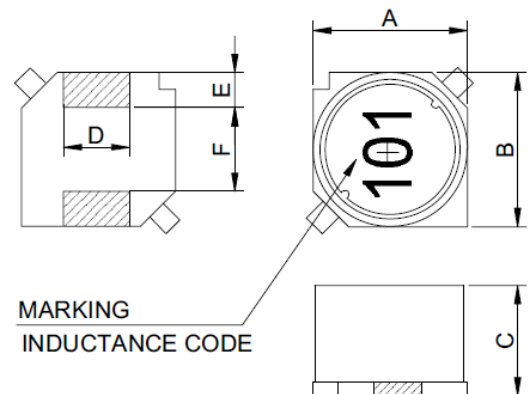
Excellent for power line DC-DC conversion applications used in hard disk, notebook computers and other electronic equipment.



◆ **Lead Free Part Numbering**

**CMLP 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 $\mu$ H ;  
100=10 $\mu$ H; 101=100 $\mu$ 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)
<b>CMLP6025S</b>	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
<b>CMLP6028S</b>	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
<b>CMLP6045S</b>	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
<b>CMLP7032S</b>	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
<b>CMLP7045S</b>	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
<b>CMLP7055S</b>	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
<b>CMLP1045S</b>	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
<b>CMLP1065S</b>	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
<b>CMLP1255S</b>	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
<b>CMLP1265S</b>	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
<b>CMLP1275S</b>	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 ( $\mu$ H)	Test Frequency (Hz)	DCR ( $\Omega$ ) $\pm$ 20%.	IDC (A) max.
<b>CMLP6025S Series</b>				
CMLP6025S4R7MTT	4.7 $\pm$ 20%	1V/100K	0.031	1.80
CMLP6025S6R8MTT	6.8 $\pm$ 20%	1V/100K	0.044	1.50
CMLP6025S100MTT	10 $\pm$ 20%	1V/100K	0.057	1.30
CMLP6025S150MTT	15 $\pm$ 20%	1V/100K	0.085	1.10
CMLP6025S220MTT	22 $\pm$ 20%	1V/100K	0.122	0.94
CMLP6025S330MTT	33 $\pm$ 20%	1V/100K	0.180	0.79
CMLP6025S470MTT	47 $\pm$ 20%	1V/100K	0.240	0.67
CMLP6025S680MTT	68 $\pm$ 20%	1V/100K	0.370	0.54
CMLP6025S101MTT	100 $\pm$ 20%	1V/100K	0.500	0.47
<b>CMLP6028S Series</b>				
CMLP6028S6R8MTT	6.8 $\pm$ 20%	1V/100K	0.028	2.50
CMLP6028S100MTT	10 $\pm$ 20%	1V/100K	0.035	2.20
CMLP6028S150MTT	15 $\pm$ 20%	1V/100K	0.053	1.80
CMLP6028S220MTT	22 $\pm$ 20%	1V/100K	0.074	1.40
CMLP6028S330MTT	33 $\pm$ 20%	1V/100K	0.104	1.30
CMLP6028S470MTT	47 $\pm$ 20%	1V/100K	0.148	1.10
CMLP6028S680MTT	68 $\pm$ 20%	1V/100K	0.210	0.92
CMLP6028S101MTT	100 $\pm$ 20%	1V/100K	0.290	0.78
CMLP6028S151MTT	150 $\pm$ 20%	1V/100K	0.430	0.64
CMLP6028S221MTT	220 $\pm$ 20%	1V/100K	0.650	0.50
<b>CMLP6045S Series</b>				
CMLP6045S1R5MTT	1.5 $\pm$ 20%	1V/100K	0.016	4.10
CMLP6045S2R2MTT	2.2 $\pm$ 20%	1V/100K	0.018	3.80
CMLP6045S3R3MTT	3.3 $\pm$ 20%	1V/100K	0.021	3.40
CMLP6045S4R7MTT	4.7 $\pm$ 20%	1V/100K	0.026	3.20
CMLP6045S6R8MTT	6.8 $\pm$ 20%	1V/100K	0.033	2.80
CMLP6045S100MTT	10 $\pm$ 20%	1V/100K	0.039	2.70
CMLP6045S150MTT	15 $\pm$ 20%	1V/100K	0.059	2.20
CMLP6045S220MTT	22 $\pm$ 20%	1V/100K	0.082	1.80

◆ Specification

Part Number	Inductance ( $\mu$ H)	Test Frequency (Hz)	DCR ( $\Omega$ ) $\pm 20\%$ .	IDC (A) max.
<b>CMLP7032S Series</b>				
CMLP7032S3R3MTT	3.3 $\pm 20\%$	1V/100K	0.023	2.60
CMLP7032S3R5MTT	3.5 $\pm 20\%$	1V/100K	0.025	2.50
CMLP7032S4R7MTT	4.7 $\pm 20\%$	1V/100K	0.030	1.90
CMLP7032S6R8MTT	6.8 $\pm 20\%$	1V/100K	0.041	1.70
CMLP7032S100MTT	10 $\pm 20\%$	1V/100K	0.053	1.40
CMLP7032S150MTT	15 $\pm 20\%$	1V/100K	0.075	1.10
CMLP7032S220MTT	22 $\pm 20\%$	1V/100K	0.110	0.96
CMLP7032S330MTT	33 $\pm 20\%$	1V/100K	0.160	0.75
CMLP7032S470MTT	47 $\pm 20\%$	1V/100K	0.240	0.67
CMLP7032S680MTT	68 $\pm 20\%$	1V/100K	0.310	0.59
CMLP7032S101MTT	100 $\pm 20\%$	1V/100K	0.450	0.45
CMLP7032S151MTT	150 $\pm 20\%$	1V/100K	0.650	0.37
CMLP7032S221MTT	220 $\pm 20\%$	1V/100K	1.050	0.29
CMLP7032S331MTT	330 $\pm 20\%$	1V/100K	1.670	0.22
CMLP7032S471MTT	470 $\pm 20\%$	1V/100K	2.050	0.20
CMLP7032S681MTT	680 $\pm 20\%$	1V/100K	3.150	0.16
<b>CMLP7045S Series</b>				
CMLP7045S3R3MTT	3.3 $\pm 20\%$	1V/100K	0.020	2.30
CMLP7045S4R7MTT	4.7 $\pm 20\%$	1V/100K	0.030	2.10
CMLP7045S6R8MTT	6.8 $\pm 20\%$	1V/100K	0.039	1.74
CMLP7045S100MTT	10 $\pm 20\%$	1V/100K	0.036	1.78
CMLP7045S150MTT	15 $\pm 20\%$	1V/100K	0.052	1.53
CMLP7045S220MTT	22 $\pm 20\%$	1V/100K	0.061	1.34
CMLP7045S330MTT	33 $\pm 20\%$	1V/100K	0.096	1.09
CMLP7045S470MTT	47 $\pm 20\%$	1V/100K	0.125	0.92
CMLP7045S680MTT	68 $\pm 20\%$	1V/100K	0.175	0.77
CMLP7045S101MTT	100 $\pm 20\%$	1V/100K	0.250	0.65
CMLP7045S151MTT	150 $\pm 20\%$	1V/100K	0.340	0.55
CMLP7045S221MTT	220 $\pm 20\%$	1V/100K	0.520	0.45
CMLP7045S331MTT	330 $\pm 20\%$	1V/100K	0.740	0.37
CMLP7045S471MTT	470 $\pm 20\%$	1V/100K	1.050	0.31
CMLP7045S681MTT	680 $\pm 20\%$	1V/100K	1.480	0.27
CMLP7045S102MTT	1000 $\pm 20\%$	1V/100K	2.280	0.25

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Part Number	Inductance ( $\mu$ H)	Test Frequency (Hz)	DCR ( $\Omega$ ) $\pm 20\%$ .	IDC (A) max.
<b>CMLP7055S Series</b>				
CMLP7055S1R5MTT	1.5 $\pm 20\%$	1V/100K	0.017	6.2
CMLP7055S2R2MTT	2.2 $\pm 20\%$	1V/100K	0.021	5.3
CMLP7055S3R3MTT	3.3 $\pm 20\%$	1V/100K	0.024	4.3
CMLP7055S4R7MTT	4.7 $\pm 20\%$	1V/100K	0.028	3.6
CMLP7055S6R8MTT	6.8 $\pm 20\%$	1V/100K	0.034	3.0
CMLP7055S100MTT	10 $\pm 20\%$	1V/100K	0.039	2.6
CMLP7055S150MTT	15 $\pm 20\%$	1V/100K	0.051	2.1
CMLP7055S220MTT	22 $\pm 20\%$	1V/100K	0.064	1.7
<b>CMLP1045S Series</b>				
CMLP1045S3R3MTT	3.3 $\pm 20\%$	1V/1K	0.016	4.90
CMLP1045S5R6MTT	5.6 $\pm 20\%$	1V/1K	0.022	3.80
CMLP1045S100MTT	10 $\pm 20\%$	1V/1K	0.036	3.00
CMLP1045S150MTT	15 $\pm 20\%$	1V/1K	0.047	2.40
CMLP1045S220MTT	22 $\pm 20\%$	1V/1K	0.059	2.10
CMLP1045S330MTT	33 $\pm 20\%$	1V/1K	0.082	1.60
CMLP1045S470MTT	47 $\pm 20\%$	1V/1K	0.100	1.40
CMLP1045S680MTT	68 $\pm 20\%$	1V/1K	0.140	1.20
CMLP1045S101MTT	100 $\pm 20\%$	1V/1K	0.200	1.00
CMLP1045S151MTT	150 $\pm 20\%$	1V/1K	0.350	0.79
CMLP1045S221MTT	220 $\pm 20\%$	1V/1K	0.470	0.65
CMLP1045S331MTT	330 $\pm 20\%$	1V/1K	0.680	0.54
CMLP1045S471MTT	470 $\pm 20\%$	1V/1K	1.030	0.47
CMLP1045S681MTT	680 $\pm 20\%$	1V/1K	1.600	0.38
CMLP1045S102MTT	1000 $\pm 20\%$	1V/1K	2.800	0.32
CMLP1045S152MTT	1500 $\pm 20\%$	1V/1K	3.400	0.22
<b>CMLP1065S Series</b>				
CMLP1065S1R5MTT	1.5 $\pm 20\%$	1V/1K	0.0067	10.7
CMLP1065S2R2MTT	2.2 $\pm 20\%$	1V/1K	0.0084	8.9
CMLP1065S3R3MTT	3.3 $\pm 20\%$	1V/1K	0.0096	7.8
CMLP1065S4R7MTT	4.7 $\pm 20\%$	1V/1K	0.0117	6.1
CMLP1065S6R8MTT	6.8 $\pm 20\%$	1V/1K	0.014	4.6
CMLP1065S100MTT	10 $\pm 20\%$	1V/1K	0.018	4.1
CMLP1065S150MTT	15 $\pm 20\%$	1V/1K	0.027	3.1

◆ Specification

Part Number	Inductance ( $\mu$ H)	Test Frequency (Hz)	DCR ( $\Omega$ ) $\pm 20\%$ .	IDC (A) max.
<b>CMLP1255S Series</b>				
CMLP1255S6R0MTT	6 $\pm 20\%$	1V/1K	0.016	4.90
CMLP1255S100MTT	10 $\pm 20\%$	1V/1K	0.022	4.30
CMLP1255S150MTT	15 $\pm 20\%$	1V/1K	0.026	3.90
CMLP1255S220MTT	22 $\pm 20\%$	1V/1K	0.034	3.40
CMLP1255S330MTT	33 $\pm 20\%$	1V/1K	0.042	3.10
CMLP1255S470MTT	47 $\pm 20\%$	1V/1K	0.062	2.50
CMLP1255S680MTT	68 $\pm 20\%$	1V/1K	0.083	2.20
CMLP1255S101MTT	100 $\pm 20\%$	1V/1K	0.117	1.80
CMLP1255S151MTT	150 $\pm 20\%$	1V/1K	0.190	1.40
CMLP1255S221MTT	220 $\pm 20\%$	1V/1K	0.270	1.20
CMLP1255S331MTT	330 $\pm 20\%$	1V/1K	0.410	1.00
CMLP1255S471MTT	470 $\pm 20\%$	1V/1K	0.520	0.88
CMLP1255S681MTT	680 $\pm 20\%$	1V/1K	0.760	0.73
CMLP1255S102MTT	1000 $\pm 20\%$	1V/1K	1.120	0.60
CMLP1255S152MTT	1500 $\pm 20\%$	1V/1K	1.730	0.48
<b>CMLP1265S Series</b>				
CMLP1265S2R0MTT	2 $\pm 20\%$	1V/1K	0.012	10.0
CMLP1265S4R2MTT	4.2 $\pm 20\%$	1V/1K	0.015	7.3
CMLP1265S7R0MTT	7 $\pm 20\%$	1V/1K	0.018	5.7
CMLP1265S100MTT	10 $\pm 20\%$	1V/1K	0.020	5.0
CMLP1265S150MTT	15 $\pm 20\%$	1V/1K	0.024	4.2
CMLP1265S220MTT	22 $\pm 20\%$	1V/1K	0.032	3.5
CMLP1265S330MTT	33 $\pm 20\%$	1V/1K	0.041	2.8
CMLP1265S470MTT	47 $\pm 20\%$	1V/1K	0.058	2.4
CMLP1265S680MTT	68 $\pm 20\%$	1V/1K	0.079	2.0
CMLP1265S101MTT	100 $\pm 20\%$	1V/1K	0.123	1.6
CMLP1265S221MTT	220 $\pm 20\%$	1V/1K	0.273	1.0

◆ Specification

Part Number	Inductance ( $\mu$ H)	Test Frequency (Hz)	DCR ( $\Omega$ ) $\pm 20\%$ .	IDC (A) max.
<b>CMLP1275S Series</b>				
CMLP1275S1R2MTT	1.2 $\pm 20\%$	1V/1K	0.007	13.0
CMLP1275S2R7MTT	2.7 $\pm 20\%$	1V/1K	0.009	10.0
CMLP1275S3R9MTT	3.9 $\pm 20\%$	1V/1K	0.010	9.0
CMLP1275S5R6MTT	5.6 $\pm 20\%$	1V/1K	0.012	7.8
CMLP1275S6R8MTT	6.8 $\pm 20\%$	1V/1K	0.013	7.2
CMLP1275S100MTT	10 $\pm 20\%$	1V/1K	0.016	5.5
CMLP1275S150MTT	15 $\pm 20\%$	1V/1K	0.018	4.7
CMLP1275S220MTT	22 $\pm 20\%$	1V/1K	0.026	4.0
CMLP1275S330MTT	33 $\pm 20\%$	1V/1K	0.040	3.2
CMLP1275S470MTT	47 $\pm 20\%$	1V/1K	0.053	2.7
CMLP1275S680MTT	68 $\pm 20\%$	1V/1K	0.078	2.0
CMLP1275S101MTT	100 $\pm 20\%$	1V/1K	0.125	1.9
CMLP1275S151MTT	150 $\pm 20\%$	1V/1K	0.175	1.5
CMLP1275S221MTT	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.