

**NEW PRODUCT
 INFORMATION**

Large-Current Power Inductor MPLCG Series [RoHS Compliant]



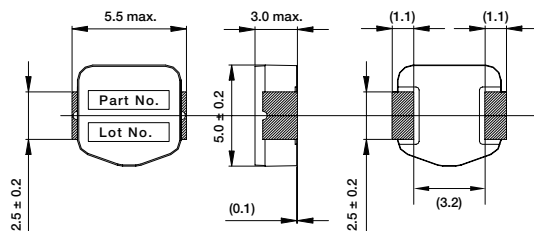
Model	Inductance (μ H) at 100kHz	DC resistance RDC(m Ω)max.	I_{rms} ^{※1} (Ref.)	Rated Current(A) I_{sat} ^{※2} (Ref.)
MPLCG0530LR22	0.22 $\pm$ 20%	3.7	14.1	10.2
MPLCG0530LR33	0.33 $\pm$ 20%	7.3	10.3	8.9
MPLCG0530L1R0	1.0 $\pm$ 20%	14.6	7.4	5.6
MPLCG0530L1R5	1.5 $\pm$ 20%	21.7	5.9	5.6
MPLCG0530L2R2	2.2 $\pm$ 20%	36.4	4.5	5.0
MPLCG0630L1R0	1.0 $\pm$ 20%	9.0	11.9	11.3
MPLCG0630L1R5	1.5 $\pm$ 20%	15.0	9.9	8.3
MPLCG0630L2R2	2.2 $\pm$ 20%	19.0	8.2	7.8
MPLCG0630L3R3	3.3 $\pm$ 20%	30.0	6.5	6.3
MPLCG0630L4R7	4.7 $\pm$ 20%	41.0	5.5	5.4

※1 T=40K rise at rated current. ※2 Inductance drop 20% at rated current.

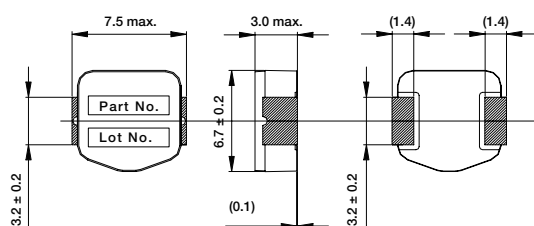
●Operating temperature range: -20~+120°C (Include self temperature rise)

Shape and Dimensions

●MPLCG0530 Series



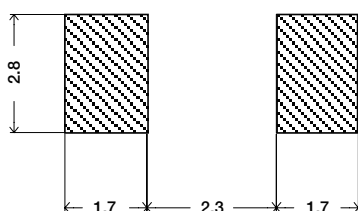
●MPLCG0630 Series



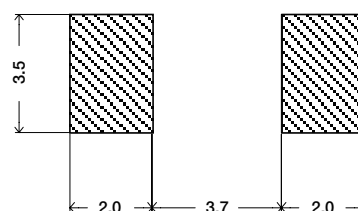
[mm]

Recommended Land Pattern

●MPLCG0530 Series



●MPLCG0630 Series



[mm]



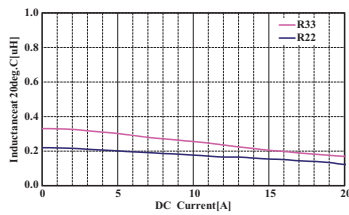
●All specifications in this catalog and production status of products are subject to change without notice. Prior to the purchase, please contact NEC TOKIN for updated product data.

●Please request for a specification sheet for detailed product data prior to the purchase.

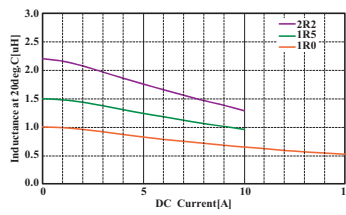
●Before using the product in this catalog, please read "Precautions" and other safety precautions listed in the printed version catalog.

DC-Superposed Characteristics

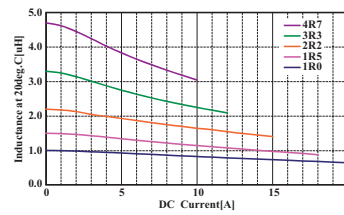
MPLCG0530Series[LR22,LR33]



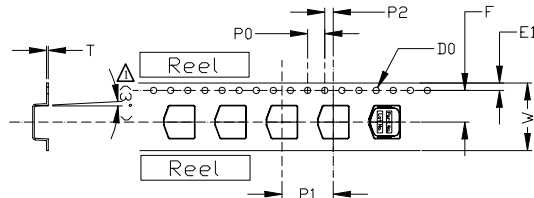
MPLCG0530Series[L1R0,L1R5,L2R2]



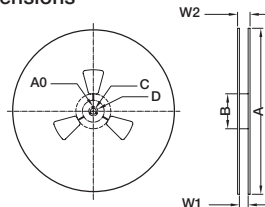
MPLCG0630Series



Dimensions of indented square hole plastic tape



Reel dimensions



MPLCG0530 Series (3500pcs./reel)

W	F	E1	P1	P2	P0	φD0	T
±0.3	±0.1	±0.1	±0.1	±0.1	±0.1	±0.05	±0.05
12.0	5.5	1.75	8.0	2.0	4.0	1.55	0.4

MPLCG0630 Series (2000pcs./reel)

W	F	E1	P1	P2	P0	φD0	T
±0.3	±0.1	±0.1	±0.1	±0.1	±0.1	±0.05	±0.05
16.0	7.5	1.75	12.0	2.0	4.0	1.55	0.4

MPLCG0530 Series

A	B	C	D	A0	r	W1	W2
±5.0	±10	±1.0	±0.8	±0.5		±1.5	±2.0
φ380	φ95	φ13.5	φ21.0	2.0	R1.0	14.5	18.5

MPLCG0630 Series

A	B	C	D	A0	r	W1	W2
±5.0	±10	±1.0	±0.8	±0.5		±1.0	±1.5
φ380	φ95	φ13.5	φ21.0	2.0	R1.0	18.0	21.6

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Precautions



- The names of the products and the specifications in this catalog are subject to change without notice for the sake of improvement. The manufacturer also reserves the right to discontinue any of these products. At the time of delivery, please check for specifications sheets to check the contents in order to use the products properly and safely.
- Descriptions in this catalog regarding product characteristics and quality are based solely on discrete components. When using these components, be sure to check the specifications with the component in question mounted on the products.
- The manufacturer's warranty will not cover any disadvantage or damage caused by improper use of the products that deviates from the characteristics, specifications, or conditions for use described in this catalog.
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- This catalog is current as of May 2012.

<http://www.nec-tokin.com>

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