

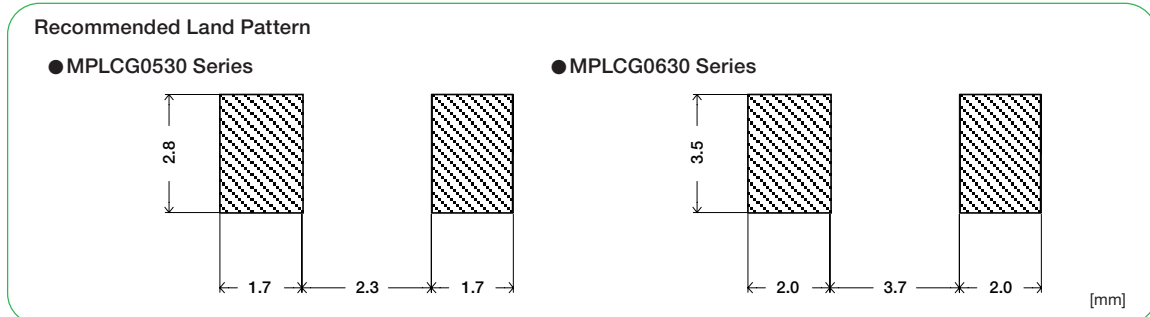
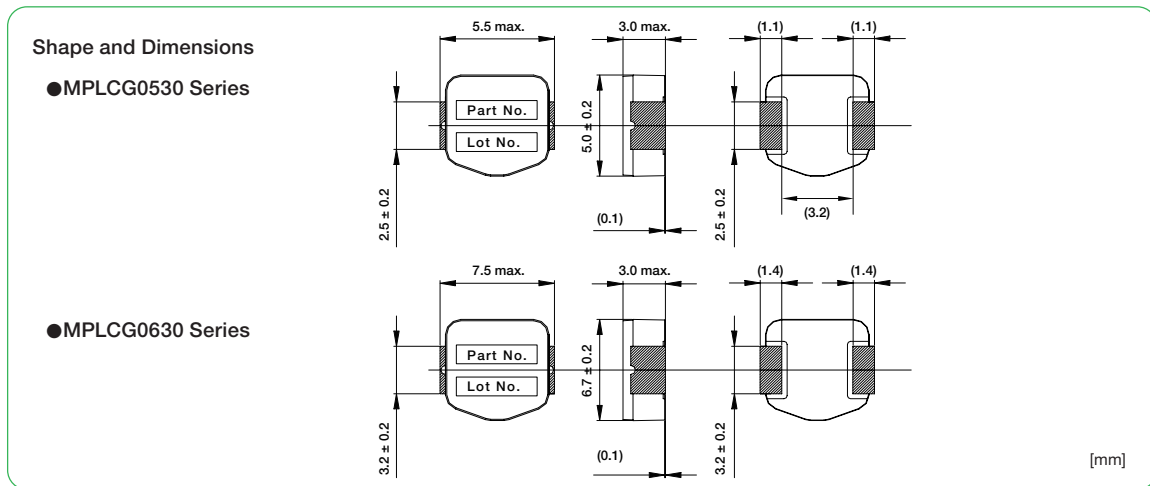


Large-Current Power Inductor
MPLCG Series
 [RoHS Compliant]



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

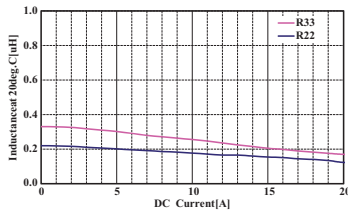
※1 T=40K rise at rated current. ※2 Inductance drop 20% at rated current.
 ●Operating temperature range: -20~+120°C (Include self temperature rise)



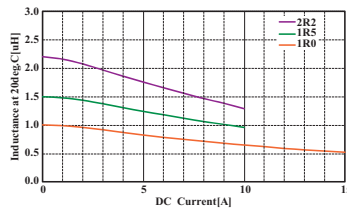
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DC-Superposed Characteristics

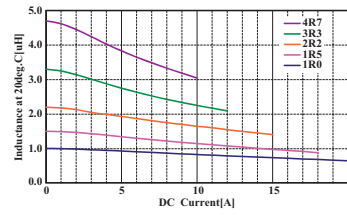
MPLCG0530Series[LR22,LR33]



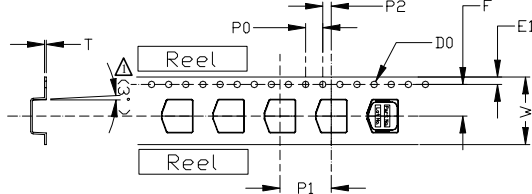
MPLCG0530Series[L1R0,L1R5,L2R2]



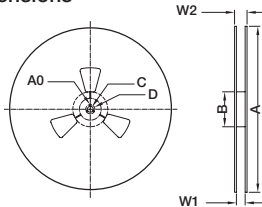
MPLCG0630Series



Dimensions of indented square hole plastic tape



Reel dimensions



MPLCG0530 Series (3500pcs./reel)

[mm]							
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)

[mm]							
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

[mm]							
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

[mm]							
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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