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General Information

Series	MPLCG
Style	SMD Molded
Core	Metal Composite
Description	Shielded, Surface Mount Inductor
Features	Large Current Inductors
RoHS	Yes
Miscellaneous	40 (K) Temperature Rise Max.

Dimensions

L	5.5mm MAX
W	5mm +/-0.2mm
T	3mm MAX
G	2.5mm +/-0.2mm

Packaging Specifications

Typical Component Weight	350 mg
Packaging	T&R, 380mm
Packaging Quantity	3500

Specifications

Inductance	0.47 uH (0.1MHz)
Inductance Tolerance	20%
Rated Current	9.3 A (Irms, 40C Rise By Self Heating)
Saturation Current	8.7 A (Isat, 20% Drop In Inductance)
Temperature Range	-40/+125°C
Rated Temperature	120°C
Shielded	Yes
DC Resistance	5 mOhms
DC Resistance	5 mOhms

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