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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**

Chip Size	0530(2120)
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	1 uH (0.1 MHz)
Inductance Tolerance	20%
Inductance	1,000 nH
Rated Current	7.4 A (Irms, 40C Rise By Self Heating)
Saturation Current	5.6 A (Isat, 20% Drop In Inductance)
Temperature Range	-40/+125°C
Rated Temperature	120°C
Shielded	Yes
Current	5.6 A (Isat, 20% Drop In Inductance), 7.4 A (Irms, 40C Rise By Self Heating)
DC Resistance	14.6 mOhms
DC Resistance	14.6 mOhms

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