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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	1.5 uH (0.1 MHz)
Inductance Tolerance	20%
Inductance	1,500 nH
Rated Current	5.9 A (I _{rms} , 40C Rise By Self Heating)
Saturation Current	5.6 A (I _{sat} , 20% Drop In Inductance)
Temperature Range	-40/+125°C
Rated Temperature	120°C
Shielded	Yes
Current	5.6 A (I _{sat} , 20% Drop In Inductance), 5.9 A (I _{rms} , 40C Rise By Self Heating)
DC Resistance	21.7 mOhms
DC Resistance	21.7 mOhms

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