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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	2.2 uH (0.1 MHz)
Inductance Tolerance	20%
Inductance	2,200 nH
Rated Current	4.5 A (I <sub>rms</sub> , 40C Rise By Self Heating)
Saturation Current	5 A (I <sub>sat</sub> , 20% Drop In Inductance)
Temperature Range	-40/+125°C
Rated Temperature	120°C
Shielded	Yes
Current	5 A (I <sub>sat</sub> , 20% Drop In Inductance), 4.5 A (I <sub>rms</sub> , 40C Rise By Self Heating)
DC Resistance	36.4 mOhms
DC Resistance	36.4 mOhms

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