



Click [here](#) for the 3D model.

### Dimensions

L	5.5mm MAX
W	5mm +/-0.2mm
T	3mm MAX
LL	1.1mm NOM
G	2.5mm +/-0.2mm

### Packaging Specifications

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

### General Information

Series	MPLCG
Style	SMD
Chip Size	0530(2120)
Description	Shielded, Surface Mount Inductor
Features	Large Current Inductors
RoHS	Yes
Core	Composite
Miscellaneous	40 (K) Temperature Rise Max.

### Specifications

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