



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

### Dimensions

L	5.5mm MAX
W	5mm +/-0.2mm
T	1.2mm MAX
S1	1.1mm NOM
LL	1.1mm NOM
G	2.5mm +/-0.2mm

### Packaging Specifications

Packaging	T&R, 380mm
Packaging Quantity	5000

### General Information

Series	MPLCH
Style	SMD
Chip Size	2220
Description	Surface Mount Inductor
Features	Low Profile Power 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	9.1 A (Isat, 30% Drop In Inductance), 6.7 A (Irms, 40C Rise By Self Heating)
DC Resistance	20 mOhms