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**General Information**

Series	MPLCH
Style	SMD Molded
Core	Metal Composite
Description	Surface Mount Inductor
Features	Low Profile Power Inductors
RoHS	Yes
Miscellaneous	40 (K) Temperature Rise Max.

**Dimensions**

Chip Size	2220
L	5.5mm MAX
W	5mm +/-0.2mm
T	1.5mm MAX
G	2.5mm +/-0.2mm

**Packaging Specifications**

Packaging	T&R, 380mm
Packaging Quantity	5000

**Specifications**

Inductance	0.47 uH (0.1MHz)
Inductance Tolerance	20%
Inductance	470 nH
Rated Current	7.5 A (Irms, 40C Rise By Self Heating)
Saturation Current	9.4 A (Isat, 30% Drop In Inductance)
Temperature Range	-40/+125°C
Rated Temperature	120°C
Shielded	Yes
Current	9.4 A (Isat, 30% Drop In Inductance), 7.5 A (Irms, 40C Rise By Self Heating)
DC Resistance	15.4 mOhms
DC Resistance	15.4 mOhms

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