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**General Information**

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

**Dimensions**

Chip Size	1770(6868)
L	17mm +/-0.5mm
W	17.1mm +/-0.5mm
T	7mm MAX
G	11.9mm NOM

**Packaging Specifications**

Typical Component Weight	11 g
Packaging	T&R, 330mm
Packaging Quantity	100

**Specifications**

Inductance	0.47 uH (0.1 MHz)
Inductance Tolerance	20%
Inductance	470 nH
Rated Current	52.5 A (I <sub>rms</sub> , 40C Rise By Self Heating)
Saturation Current	72 A (I <sub>sat</sub> , 20% Drop In Inductance), 108 A (I <sub>sat</sub> , 30% Drop In Inductance)
Temperature Range	-55/+155°C
Shielded	Yes
Current	52.5 A (I <sub>rms</sub> , 40C Rise By Self Heating), 72 A (I <sub>sat</sub> , 20% Drop In Inductance), 108 A (I <sub>sat</sub> , 30% Drop In Inductance)
DC Resistance	1.0005 mOhms
DC Resistance	1.0005 mOhms
Self-Resonant Frequency	45 MHz

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