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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	1250(5350)
L	13.2mm +/-0.4mm
W	12.5mm +/-0.2mm
T	5mm MAX
G	4.7mm +/-0.3mm

**Packaging Specifications**

Typical Component Weight	4.2 g
Packaging	T&R, 330mm
Packaging Quantity	250

**Specifications**

Inductance	1.5 uH (0.1 MHz)
Inductance Tolerance	20%
Inductance	1,500 nH
Rated Current	24.2 A (I <sub>rms</sub> , 40C Rise By Self Heating)
Saturation Current	22 A (I <sub>sat</sub> , 20% Drop In Inductance), 32 A (I <sub>sat</sub> , 30% Drop In Inductance)
Temperature Range	-55/+155°C
Shielded	Yes
Current	24.2 A (I <sub>rms</sub> , 40C Rise By Self Heating), 22 A (I <sub>sat</sub> , 20% Drop In Inductance), 32 A (I <sub>sat</sub> , 30% Drop In Inductance)
DC Resistance	3.6 mOhms
DC Resistance	3.6 mOhms
Self-Resonant Frequency	25 MHz

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