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General Information

Series	MPXV
Style	SMD Molded
Core	Metal Composite
Description	Surface Mount Inductor
Features	Power Inductors
RoHS	Yes
Qualifications	AEC-Q200
AEC-Q200	Yes
Miscellaneous	40 (K) Temperature Rise Max.

Dimensions

Chip Size	0520(2120)
L	5.3mm +/-0.2mm
W	5mm +/-0.2mm
T	2mm MAX
G	2.5mm +/-0.2mm

Packaging Specifications

Typical Component Weight	230 mg
Packaging	T&R, 330mm
Packaging Quantity	3500

Specifications

Inductance	1.5 uH (100 kHz)
Inductance Tolerance	20%
Inductance	1,500 nH
Rated Current	5.6 A (Irms, 40C Rise By Self Heating)
Saturation Current	4.5 A (Isat, 20% Drop In Inductance), 7 A (Isat, 30% Drop In Inductance)
Temperature Range	-55/+155°C
Shielded	Yes
Current	5.6 A (Irms, 40C Rise By Self Heating), 4.5 A (Isat, 20% Drop In Inductance), 7 A (Isat, 30% Drop In Inductance)
DC Resistance	35.6 mOhms
DC Resistance	35.6 mOhms
Self-Resonant Frequency	44 MHz

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