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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
Miscellaneous	40 (K) Temperature Rise Max.

Dimensions

L	10.8mm +/-0.3mm
W	10mm +/-0.2mm
T	4mm MAX
G	3mm +/-0.3mm

Packaging Specifications

Typical Component Weight	2.2 g
Packaging	T&R, 330mm
Packaging Quantity	500

Specifications

Inductance	47 uH (100 kHz)
Inductance Tolerance	20%
Rated Current	3 A (I _{rms} , 40C Rise By Self Heating)
Saturation Current	3 A (I _{sat} , 20% Drop In Inductance), 4 A (I _{sat} , 30% Drop In Inductance)
Temperature Range	-55/+155°C
Shielded	Yes
DC Resistance	182.6 mOhms
DC Resistance	182.6 mOhms
Self-Resonant Frequency	4.5 MHz

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