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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	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	0.47 uH (100 kHz)
Inductance Tolerance	20%
Inductance	470 nH
Rated Current	34.8 A (I _{rms} , 40C Rise By Self Heating)
Saturation Current	37 A (I _{sat} , 20% Drop In Inductance), 55 A (I _{sat} , 30% Drop In Inductance)
Temperature Range	-55/+155°C
Shielded	true
Current	34.8 A (I _{rms} , 40C Rise By Self Heating), 37 A (I _{sat} , 20% Drop In Inductance), 55 A (I _{sat} , 30% Drop In Inductance)
DC Resistance	1.8 mOhms
DC Resistance	1.8 mOhms
Self-Resonant Frequency	54 MHz

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