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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	0840(3431)
L	8.65mm +/-0.25mm
W	8mm +/-0.2mm
T	4mm MAX
G	5.1mm +/-0.3mm

Packaging Specifications

Typical Component Weight	1.45 g
Packaging	T&R, 330mm
Packaging Quantity	1000

Specifications

Inductance	47 uH (100 kHz)
Inductance Tolerance	20%
Rated Current	2.8 A (Irms, 40C Rise By Self Heating)
Saturation Current	2.5 A (Isat, 20% Drop In Inductance), 3.5 A (Isat, 30% Drop In Inductance)
Temperature Range	-55/+155°C
Shielded	Yes
DC Resistance	226.7 mOhms
DC Resistance	226.7 mOhms
Self-Resonant Frequency	5.7 MHz

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