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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	33 uH (100 kHz)
Inductance Tolerance	20%
Inductance	33 uH
Rated Current	5.4 A (Irms, 40C Rise By Self Heating)
Saturation Current	5 A (Isat, 20% Drop In Inductance), 7.5 A (Isat, 30% Drop In Inductance)
Temperature Range	-55/+155°C
Shielded	true
Current	5.4 A (Irms, 40C Rise By Self Heating), 5 A (Isat, 20% Drop In Inductance), 7.5 A (Isat, 30% Drop In Inductance)
DC Resistance	72 mOhms
DC Resistance	72 mOhms
Self-Resonant Frequency	5 MHz

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