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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	1054(4340)
L	10.8mm +/-0.3mm
W	10mm +/-0.2mm
T	5.4mm MAX
G	4.7mm +/-0.3mm

### Packaging Specifications

Typical Component Weight	3 g
Packaging	T&R, 330mm
Packaging Quantity	500

### Specifications

Inductance	0.68 uH (100 kHz)
Inductance Tolerance	20%
Inductance	680 nH
Rated Current	27.6 A (Irms, 40C Rise By Self Heating)
Saturation Current	27 A (Isat, 20% Drop In Inductance), 37.5 A (Isat, 30% Drop In Inductance)
Temperature Range	-55/+155°C
Shielded	true
Current	27.6 A (Irms, 40C Rise By Self Heating), 27 A (Isat, 20% Drop In Inductance), 37.5 A (Isat, 30% Drop In Inductance)
DC Resistance	2.3 mOhms
DC Resistance	2.3 mOhms
Self-Resonant Frequency	38 MHz

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