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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	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	1 uH (100 kHz)
Inductance Tolerance	20%
Rated Current	20.8 A (I <sub>rms</sub> , 40C Rise By Self Heating)
Saturation Current	19.5 A (I <sub>sat</sub> , 20% Drop In Inductance), 28 A (I <sub>sat</sub> , 30% Drop In Inductance)
Temperature Range	-55/+155°C
Shielded	Yes
DC Resistance	4.2 mOhms
DC Resistance	4.2 mOhms
Self-Resonant Frequency	40 MHz

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