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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	7mm +/-0.25mm
W	6.5mm +/-0.2mm
T	5mm MAX
G	3.2mm +/-0.3mm

#### Packaging Specifications

Typical Component Weight	1.05 g
Packaging	T&R, 330mm
Packaging Quantity	1000

#### Specifications

Inductance	6.8 uH (100 kHz)
Inductance Tolerance	20%
Rated Current	5.7 A (I <sub>rms</sub> , 40C Rise By Self Heating)
Saturation Current	4 A (I <sub>sat</sub> , 20% Drop In Inductance), 5.5 A (I <sub>sat</sub> , 30% Drop In Inductance)
Temperature Range	-55/+155°C
Shielded	Yes
DC Resistance	44.2 mOhms
DC Resistance	44.2 mOhms
Self-Resonant Frequency	17 MHz

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