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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	22mm +/-0.5mm
W	22mm +/-0.5mm
T	13mm MAX
G	18.5mm NOM

**Packaging Specifications**

Typical Component Weight	37 g
Packaging	T&R, 330mm
Packaging Quantity	50

**Specifications**

Inductance	4.7 uH (100 kHz)
Inductance Tolerance	20%
Rated Current	48 A (I <sub>rms</sub> , 40C Rise By Self Heating)
Saturation Current	28 A (I <sub>sat</sub> , 20% Drop In Inductance), 40 A (I <sub>sat</sub> , 30% Drop In Inductance)
Temperature Range	-55/+155°C
Shielded	Yes
DC Resistance	2.2 mOhms
DC Resistance	2.2 mOhms
Self-Resonant Frequency	9 MHz

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