


**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.

 Click [here](#) for the 3D model.

**Dimensions**

L	17mm +/-0.5mm
W	17.1mm +/-0.5mm
T	4mm MAX
G	11.9mm NOM

**Packaging Specifications**

Typical Component Weight	6.3 g
Packaging	T&R, 330mm
Packaging Quantity	100

**Specifications**

Inductance	1.5 uH (100 kHz)
Inductance Tolerance	20%
Rated Current	23.5 A (Irms, 40C Rise By Self Heating)
Saturation Current	19.5 A (Isat, 20% Drop In Inductance), 28 A (Isat, 30% Drop In Inductance)
Temperature Range	-55/+155°C
Shielded	Yes
DC Resistance	3.8 mOhms
DC Resistance	3.8 mOhms
Self-Resonant Frequency	24 MHz

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