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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	2213(9088)
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	47 uH (100 kHz)
Inductance Tolerance	20%
Rated Current	15.5 A (Irms, 40C Rise By Self Heating)
Saturation Current	13.5 A (Isat, 20% Drop In Inductance), 19 A (Isat, 30% Drop In Inductance)
Temperature Range	-55/+155°C
Shielded	Yes
DC Resistance	20.5 mOhms
DC Resistance	20.5 mOhms
Self-Resonant Frequency	2.5 MHz

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