



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

### Dimensions

L	13.2mm +/-0.4mm
W	12.5mm +/-0.2mm
T	5mm MAX
LL	2.2mm NOM
G	4.7mm +/-0.3mm

### Packaging Specifications

Packaging	T&R, 330mm
Packaging Quantity	250

### General Information

Series	MPXV
Style	SMD
Chip Size	1250(5350)
Description	Surface Mount Inductor
Features	Power Inductors
RoHS	Yes
Qualifications	AEC-Q200
AEC-Q200	Yes
Core	Composite
Miscellaneous	40 (K) Temperature Rise Max.

### Specifications

Inductance	0.47 uH
Inductance Tolerance	20%
Temperature Range	-55/+155°C
Shielded	Yes
Current	34.8 A (I <sub>rms</sub> , 40C Rise By Self Heating), 37 A (I <sub>sat</sub> , 20% Drop In Inductance), 55 A (I <sub>sat</sub> , 30% Drop In Inductance)
DC Resistance	1.8 mOhms
Self-Resonant Frequency	54 MHz