



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

Dimensions

L	13.2mm +/-0.4mm
W	12.5mm +/-0.2mm
T	3.5mm MAX
LL	2.2mm NOM
G	4.7mm +/-0.3mm

Packaging Specifications

Packaging	T&R, 330mm
Packaging Quantity	500

General Information

Series	MPXV
Style	SMD
Chip Size	1235(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	28.9 A (Irms, 40C Rise By Self Heating), 31 A (Isat, 20% Drop In Inductance), 45 A (Isat, 30% Drop In Inductance)
DC Resistance	2.3 mOhms
Self-Resonant Frequency	58 MHz