



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

Dimensions

L	10.8mm +/-0.3mm
W	10mm +/-0.2mm
T	5.4mm 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	1054(4340)
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	47 uH
Inductance Tolerance	20%
Temperature Range	-55/+155°C
Shielded	Yes
Current	3.7 A (Irms, 40C Rise By Self Heating), 3.4 A (Isat, 20% Drop In Inductance), 4.6 A (Isat, 30% Drop In Inductance)
DC Resistance	128.8 mOhms
Self-Resonant Frequency	4 MHz