



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

### Dimensions

L	5.3mm +/-0.2mm
W	5mm +/-0.2mm
T	2mm MAX
LL	1mm NOM
G	2.5mm +/-0.2mm

### Packaging Specifications

Packaging	T&R, 330mm
Packaging Quantity	3500

### General Information

Series	MPXV
Style	SMD
Chip Size	0520(2120)
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	12 A (Irms, 40C Rise By Self Heating), 9 A (Isat, 20% Drop In Inductance), 14 A (Isat, 30% Drop In Inductance)
DC Resistance	7.8 mOhms
Self-Resonant Frequency	87 MHz