



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

### Dimensions

Chip Size	0840(3431)
AEC-Q200	Yes
L	8.65mm +/-0.25mm
W	8mm +/-0.2mm
T	4mm MAX
G	5.1mm +/-0.3mm

### Packaging Specifications

Typical Component Weight	1.45 g
Packaging	T&R, 330mm
Packaging Quantity	1000

### 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.

### Specifications

Inductance	10 uH
Inductance Tolerance	20%
Temperature Range	-55/+155°C
Shielded	true
Current	6 A (Irms, 40C Rise By Self Heating), 5.5 A (Isat, 20% Drop In Inductance), 7.5 A (Isat, 30% Drop In Inductance)
DC Resistance	49.6 mOhms
Self-Resonant Frequency	12 MHz