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### Dimensions

Chip Size	1740(6868)
AEC-Q200	Yes
L	17mm +/-0.5mm
W	17.1mm +/-0.5mm
T	4mm MAX
G	11.9mm NOM

### Packaging Specifications

Typical Component Weight	6.3 g
Packaging	T&R, 330mm
Packaging Quantity	100

### 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	47 uH
Inductance Tolerance	20%
Temperature Range	-55/+155°C
Shielded	Yes
Current	4 A (Irms, 40C Rise By Self Heating), 4.4 A (Isat, 20% Drop In Inductance), 6.5 A (Isat, 30% Drop In Inductance)
DC Resistance	125.7 mOhms
Self-Resonant Frequency	2.5 MHz