



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

### Dimensions

L	17mm +/-0.5mm
W	17.1mm +/-0.5mm
T	7mm MAX
LL	2.1mm NOM
G	11.9mm NOM

### Packaging Specifications

Packaging	T&R, 330mm
Packaging Quantity	100

### General Information

Series	MPXV
Style	SMD
Chip Size	1770(6868)
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	1 uH
Inductance Tolerance	20%
Temperature Range	-55/+155°C
Shielded	Yes
Current	38 A (Irms, 40C Rise By Self Heating), 42 A (Isat, 20% Drop In Inductance), 62 A (Isat, 30% Drop In Inductance)
DC Resistance	1.8 mOhms
Self-Resonant Frequency	27 MHz