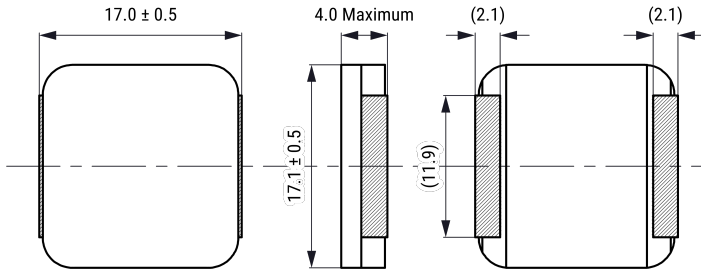


## MPXV1D1740LR68

Aliases (UPI2X11740VR68)

KEMET, MPXV, Metal Composite, 20%, 680 nH, 1740(6868)



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

### 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	680 nH
Inductance Tolerance	20%
Temperature Range	-55/+155°C
Shielded	Yes
Current	32 A (Irms, 40C Rise By Self Heating), 37 A (Isat, 20% Drop In Inductance), 55 A (Isat, 30% Drop In Inductance)
DC Resistance	2 mOhms
Self-Resonant Frequency	38 MHz