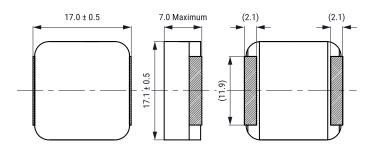


## MPXV1D1770L1R0

Aliases (UPI2X11770V1R0) KEMET, MPXV, Metal Composite, 20%, 1,000 nH, 1770(6868)



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.

## Click here for the 3D model.

Dimensions	
Chip Size	1770(6868)
L	17mm +/-0.5mm
W	17.1mm +/-0.5mm
т	7mm MAX
G	11.9mm NOM

Packaging Specifications	
Typical Component Weight	11 g
Packaging	T&R, 330mm
Packaging Quantity	100

Specifications	
Inductance	1 uH (100 kHz)
Inductance Tolerance	20%
Rated Current	38 A (Irms, 40C Rise By Self Heating)
Saturation Current	42 A (Isat, 20% Drop In Inductance), 62 A (Isat, 30% Drop In Inductance)
Temperature Range	-55/+155°C
Shielded	Yes
DC Resistance	1.8 mOhms
DC Resistance	1.8 mOhms
Self-Resonant Frequency	27 MHz

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