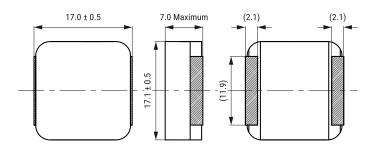


MPX1D1770L1R0

Aliases (UPI2X11770L1R0) KEMET, MPX, Metal Composite, 20%, 1,000 nH, 1770(6868)



General Information	
Series	MPX
Style	SMD Molded
Core	Metal Composite
Description	Surface Mount Inductor
Features	Power Inductors
RoHS	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	1uH (0.1MHz)
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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