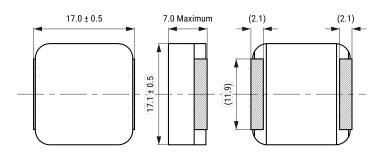


**MPXV1D1770L1R0** 

Aliases (UPI2X11770V1R0)

KEMET, MPXV, Power, 1 uH, 20%, 1770(6868)



Click here for the 3D model.

Dimensions	
L	17mm +/-0.5mm
W	17.1mm +/-0.5mm
Т	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	1uH
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

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.