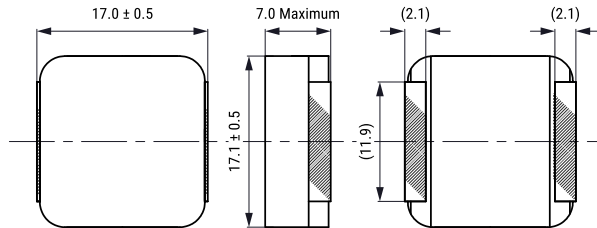


**KEMET Part Number: MPX1D1770L1R0**  
(UPI2X11770L1R0)

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a YAGEO company

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



#### Dimensions

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

#### Packaging Specifications

<b>Packaging:</b>	T&R, 330mm
<b>Packaging Quantity:</b>	100

#### General Information

<b>Series:</b>	MPX
<b>Style:</b>	SMD
<b>Chip Size:</b>	1770(6868)
<b>Description:</b>	Surface Mount Inductor
<b>Features:</b>	Power Inductors
<b>RoHS:</b>	Yes
<b>Core:</b>	Composite
<b>Miscellaneous:</b>	40 (K) Temperature Rise Max.

#### Specifications

<b>Inductance:</b>	1 uH (0.1 MHz)
<b>Inductance Tolerance:</b>	20%
<b>Temperature Range:</b>	-55/+155°C
<b>Shielded:</b>	Yes
<b>Current:</b>	38 A (I <sub>rms</sub> , 40C Rise By Self Heating), 42 A (I <sub>sat</sub> , 20% Drop In Inductance), 62 A (I <sub>sat</sub> , 30% Drop In Inductance)
<b>DC Resistance:</b>	1.8 mOhms
<b>Self-Resonant Frequency:</b>	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.

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