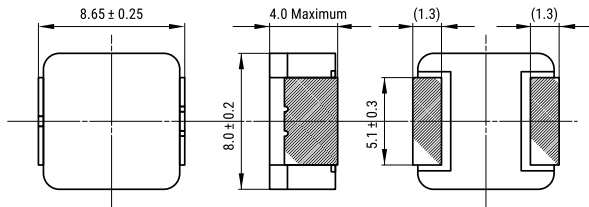


**KEMET Part Number: MPX1D0840L1R0**  
(UPI2X10840L1R0)

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KEMET, MPX, Power, 1 uH, 20%, 0840(3431)



#### Dimensions

Parameter	Value
L	8.65mm +/-0.25mm
W	8mm +/-0.2mm
T	4mm MAX
LL	1.3mm NOM
G	5.1mm +/-0.3mm

#### Packaging Specifications

Packaging:	T&R, 330mm
Packaging Quantity:	1000

#### General Information

Series:	MPX
Style:	SMD
Chip Size:	0840(3431)
Description:	Surface Mount Inductor
Features:	Power Inductors
RoHS:	Yes
Core:	Composite
Miscellaneous:	40 (K) Temperature Rise Max.

#### Specifications

Inductance:	1 uH
Inductance Tolerance:	20%
Temperature Range:	-55/+155°C
Shielded:	Yes
Current:	20.8 A (I <sub>rms</sub> , 40C Rise By Self Heating), 19.5 A (I <sub>sat</sub> , 20% Drop In Inductance), 28 A (I <sub>sat</sub> , 30% Drop In Inductance)
DC Resistance:	4.2 mOhms
Self-Resonant Frequency:	40 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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