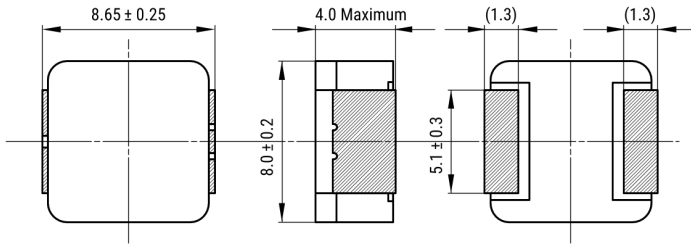


MPX1D0840LR47

Aliases (UPI2X10840LR47)

KEMET, MPX, Metal Composite, 20%, 470 nH, 0840(3431)



Click [here](#) for the 3D model.

Dimensions

Chip Size	0840(3431)
L	8.65mm +/-0.25mm
W	8mm +/-0.2mm
T	4mm MAX
G	5.1mm +/-0.3mm

Packaging Specifications

Typical Component Weight	1.45 g
Packaging	T&R, 330mm
Packaging Quantity	1000

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.

Specifications

Inductance	470 nH
Inductance Tolerance	20%
Temperature Range	-55/+155°C
Shielded	Yes
Current	25.8 A (I _{rms} , 40C Rise By Self Heating), 26 A (I _{sat} , 20% Drop In Inductance), 38 A (I _{sat} , 30% Drop In Inductance)
DC Resistance	2.7 mOhms
Self-Resonant Frequency	59 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.