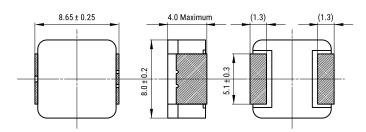


MPX1D0840L100

Aliases (UPI2X10840L100) KEMET, MPX, Metal Composite, 20%, 10 uH, 0840(3431)



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

Packaging Specifications

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

Specifications	
Inductance	10 uH (0.1 MHz)
Inductance Tolerance	20%
Rated Current	6 A (Irms, 40C Rise By Self Heating)
Saturation Current	5.5 A (Isat, 20% Drop In Inductance), 7.5 A (Isat, 30% Drop In Inductance)
Temperature Range	-55/+155°C
Shielded	Yes
DC Resistance	49.6 mOhms
DC Resistance	49.6 mOhms
Self-Resonant Frequency	12 MHz

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