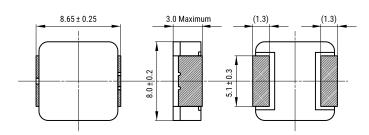


MPX1D0830L1R5 Aliases (UPI2X10830L1R5)

KEMET, MPX, Metal Composite, 20%, 1,500 nH, 0830(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	0830(3431)
L	8.65mm +/-0.25mm
W	8mm +/-0.2mm
т	3mm MAX
G	5.1mm +/-0.3mm

Packaging Specifications

Typical Component Weight	1.07 g
Packaging	T&R, 330mm
Packaging Quantity	1500

Specifications	
Inductance	1.5 uH (0.1 MHz)
Inductance Tolerance	20%
Rated Current	14 A (Irms, 40C Rise By Self Heating)
Saturation Current	13 A (Isat, 20% Drop In Inductance), 18 A (Isat, 30% Drop In Inductance)
Temperature Range	-55/+155°C
Shielded	Yes
DC Resistance	9.1 mOhms
DC Resistance	9.1 mOhms
Self-Resonant Frequency	37 MHz

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