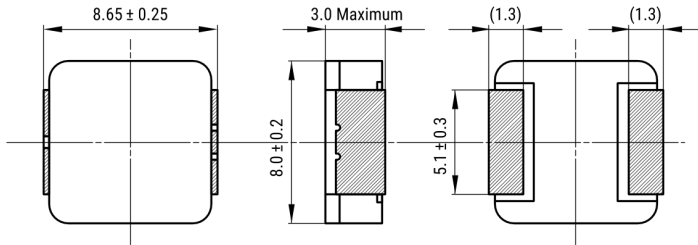


MPX1D0830L6R8

Aliases (UPI2X10830L6R8)

KEMET, MPX, Metal Composite, 20%, 6800 nH, 0830(3431)



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

Dimensions

Chip Size	0830(3431)
L	8.65mm +/-0.25mm
W	8mm +/-0.2mm
T	3mm MAX
G	5.1mm +/-0.3mm

Packaging Specifications

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

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	6800 nH
Inductance Tolerance	20%
Temperature Range	-55/+155°C
Shielded	true
Current	6.8 A (Irms, 40C Rise By Self Heating), 7.5 A (Isat, 20% Drop In Inductance), 10 A (Isat, 30% Drop In Inductance)
DC Resistance	37.9 mOhms
Self-Resonant Frequency	16 MHz