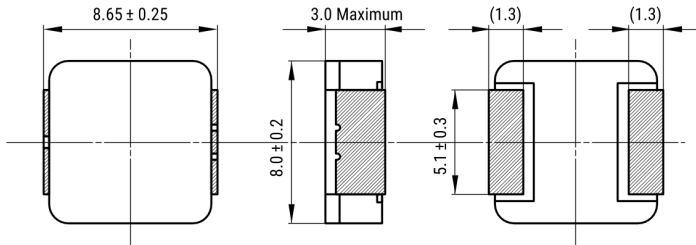


## MPX1D0830L4R7

Aliases (UPI2X10830L4R7)

KEMET, MPX, Metal Composite, 20%, 4700 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	4700 nH
Inductance Tolerance	20%
Temperature Range	-55/+155°C
Shielded	true
Current	7.7 A (Irms, 40C Rise By Self Heating), 7.5 A (Isat, 20% Drop In Inductance), 10.5 A (Isat, 30% Drop In Inductance)
DC Resistance	29.7 mOhms
Self-Resonant Frequency	18 MHz

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