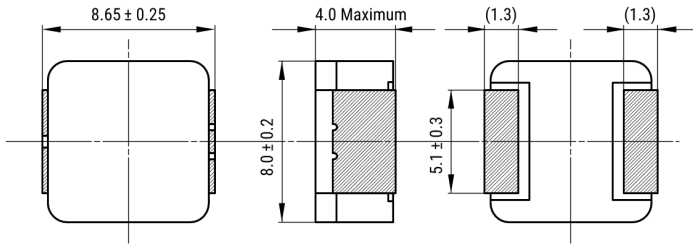


MPX1D0840L100

Aliases (UPI2X10840L100)

KEMET, MPX, Metal Composite, 20%, 10 uH, 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 | 10 uH |
| Inductance Tolerance | 20% |
| Temperature Range | -55/+155°C |
| Shielded | true |
| Current | 6 A (Irms, 40C Rise By Self Heating), 5.5 A (Isat, 20% Drop In Inductance), 7.5 A (Isat, 30% Drop In Inductance) |
| DC Resistance | 49.6 mOhms |
| Self-Resonant Frequency | 12 MHz |