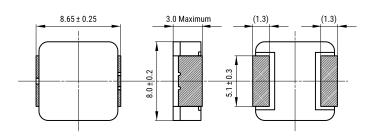


Aliases (UPI2X10830VR47) KEMET, MPXV, Metal Composite, 20%, 470 nH, 0830(3431)



| General Information | |
|---------------------|------------------------------|
| Series | MPXV |
| Style | SMD Molded |
| Core | Metal Composite |
| Description | Surface Mount Inductor |
| Features | Power Inductors |
| RoHS | Yes |
| Qualifications | AEC-Q200 |
| AEC-Q200 | 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 |

1.07 g

1500

T&R, 330mm

Packaging Specifications

Typical Component Weight
Packaging
Packaging Quantity

Specifications Inductance 0.47 uH (100 kHz) 20% Inductance Tolerance **Rated Current** 24 A (Irms, 40C Rise By Self Heating) 20.5 A (Isat, 20% Drop In Inductance), 30 A (Isat, 30% Drop In Inductance) Saturation Current -55/+155°C **Temperature Range** Shielded Yes DC Resistance 3.1 mOhms DC Resistance 3.1 mOhms Self-Resonant Frequency 80 MHz

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute – and we specifically disclaim – any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.