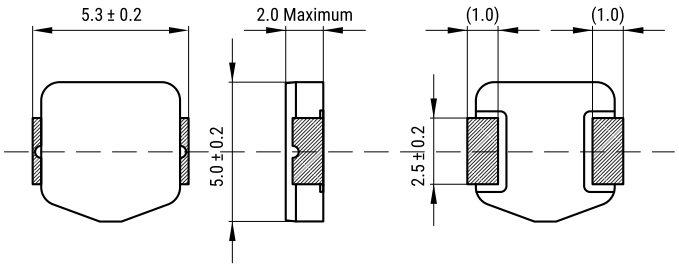
# MPXV1D0520LR47

Aliases (UPI2X10520VR47)

KEMET, MPXV, Metal Composite, 20%, 470 nH




Click here for the 3D model.

| General Information | |
|---|---|
| Series | MPXV |
| Style | SMD Molded |
| Core | Metal Composite |
| Description | Surface Mount Inductor |
| Features | Power Inductors |
| RoHS | Yes |
| Qualifications | AEC-Q200 |
| Miscellaneous | 40 (K) Temperature Rise Max. |

| Dimensions | |
|---|---|
| L | 5.3mm +/-0.2mm |
| W | 5mm +/-0.2mm |
| T | 2mm MAX |
| G | 2.5mm +/-0.2mm |

| Packaging Specifications | |
|---|---|
| Typical Component Weight | 230 mg |
| Packaging | T&R, 330mm |
| Packaging Quantity | 3500 |

| Specifications | |
|---|---|
| Inductance | 0.47 uH (100 kHz) |
| Inductance Tolerance | 20% |
| Rated Current | 12 A (Irms, 40C Rise By Self Heating) |
| Saturation Current | 9 A (Isat, 20% Drop In Inductance), 14 A (Isat, 30% Drop In Inductance) |
| Temperature Range | -55/+155°C |
| Shielded | Yes |
| DC Resistance | 7.8 mOhms |
| DC Resistance | 7.8 mOhms |
| Self-Resonant Frequency | 87 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.



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