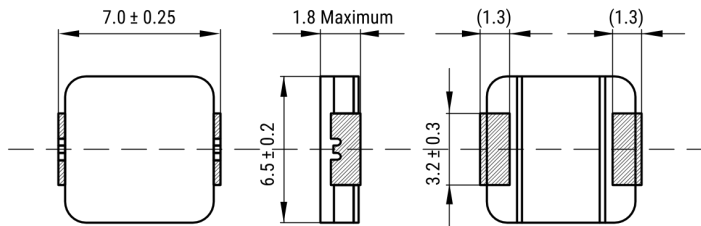


MPXV1D0618L4R7

Aliases (UPI2X10618V4R7)

KEMET, MPXV, Metal Composite, 20%, 4700 nH, 0618(2826)



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

| Dimensions | |
|------------|----------------|
| Chip Size | 0618(2826) |
| AEC-Q200 | Yes |
| L | 7mm +/-0.25mm |
| W | 6.5mm +/-0.2mm |
| T | 1.8mm MAX |
| G | 3.2mm +/-0.3mm |

| Packaging Specifications | |
|--------------------------|------------|
| Typical Component Weight | 370 mg |
| Packaging | T&R, 330mm |
| Packaging Quantity | 2500 |

| 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. |

| Specifications | |
|-------------------------|--|
| Inductance | 4700 nH |
| Inductance Tolerance | 20% |
| Temperature Range | -55/+155°C |
| Shielded | Yes |
| Current | 3.4 A (Irms, 40C Rise By Self Heating), 4 A (Isat, 20% Drop In Inductance), 6 A (Isat, 30% Drop In Inductance) |
| DC Resistance | 83.4 mOhms |
| Self-Resonant Frequency | 26 MHz |

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