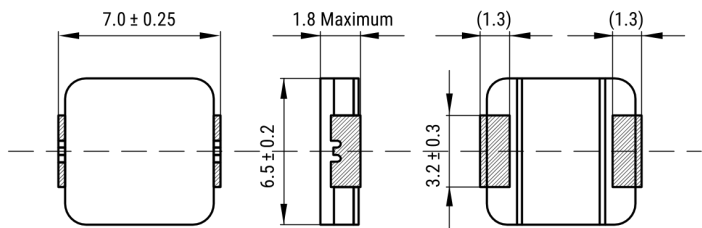


**MPXV1D0618LR15**

Aliases (UPI2X10618VR15)

KEMET, MPXV, Metal Composite, 20%, 150 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              | 150 nH                                                                                                            |
| Inductance Tolerance    | 20%                                                                                                               |
| Temperature Range       | -55/+155°C                                                                                                        |
| Shielded                | Yes                                                                                                               |
| Current                 | 16.2 A (Irms, 40C Rise By Self Heating), 20 A (Isat, 20% Drop In Inductance), 30 A (Isat, 30% Drop In Inductance) |
| DC Resistance           | 3.8 mOhms                                                                                                         |
| Self-Resonant Frequency | 170 MHz                                                                                                           |

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