



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 | 7mm +/-0.25mm  |
| W | 6.5mm +/-0.2mm |
| T | 5mm MAX        |
| G | 3.2mm +/-0.3mm |

**Packaging Specifications**

|                          |            |
|--------------------------|------------|
| Typical Component Weight | 1.05 g     |
| Packaging                | T&R, 330mm |
| Packaging Quantity       | 1000       |

**Specifications**

|                         |  |
|-------------------------|--|
| Inductance              | 4.7 uH (100 kHz)   |
| Inductance Tolerance    | 20%  |
| Rated Current           | 6.7 A (I <sub>rms</sub> , 40C Rise By Self Heating)  |
| Saturation Current      | 4.5 A (I <sub>sat</sub> , 20% Drop In Inductance), 6.5 A (I <sub>sat</sub> , 30% Drop In Inductance) |
| Temperature Range       | -55/+155°C   |
| Shielded                | Yes  |
| DC Resistance           | 32 mOhms   |
| DC Resistance           | 32 mOhms   |
| Self-Resonant Frequency | 19 MHz   |

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