



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

General Information

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|----------------|------------------------------|
| 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 | 22mm +/-0.5mm |
| W | 22mm +/-0.5mm |
| T | 13mm MAX |
| G | 18.5mm NOM |

Packaging Specifications

| | |
|--------------------------|------------|
| Typical Component Weight | 37 g |
| Packaging | T&R, 330mm |
| Packaging Quantity | 50 |

Specifications

| | |
|-------------------------|--|
| Inductance | 4.7 uH (100 kHz) |
| Inductance Tolerance | 20% |
| Rated Current | 48 A (I _{rms} , 40C Rise By Self Heating) |
| Saturation Current | 28 A (I _{sat} , 20% Drop In Inductance), 40 A (I _{sat} , 30% Drop In Inductance) |
| Temperature Range | -55/+155°C |
| Shielded | Yes |
| DC Resistance | 2.2 mOhms |
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| Self-Resonant Frequency | 9 MHz |

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