



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 |
| AEC-Q200 | Yes |
| Miscellaneous | 40 (K) Temperature Rise Max. |

Dimensions

| | |
|-----------|----------------|
| Chip Size | 0520(2120) |
| 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 | 1 uH (100 kHz) |
| Inductance Tolerance | 20% |
| Inductance | 1,000 nH |
| Rated Current | 7.6 A (Irms, 40C Rise By Self Heating) |
| Saturation Current | 7 A (Isat, 20% Drop In Inductance), 9 A (Isat, 30% Drop In Inductance) |
| Temperature Range | -55/+155°C |
| Shielded | Yes |
| Current | 7.6 A (Irms, 40C Rise By Self Heating), 7 A (Isat, 20% Drop In Inductance), 9 A (Isat, 30% Drop In Inductance) |
| DC Resistance | 18.9 mOhms |
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| Self-Resonant Frequency | 62 MHz |

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