



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

General Information

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|---------------|------------------------------|
| Series | MPX |
| Style | SMD Molded |
| Core | Metal Composite |
| Description | Surface Mount Inductor |
| Features | Power Inductors |
| RoHS | Yes |
| Miscellaneous | 40 (K) Temperature Rise Max. |

Dimensions

| | |
|-----------|-----------------|
| Chip Size | 1264(5350) |
| L | 13.2mm +/-0.4mm |
| W | 12.5mm +/-0.2mm |
| T | 6.4mm MAX |
| G | 4.7mm +/-0.3mm |

Packaging Specifications

| | |
|--------------------------|------------|
| Typical Component Weight | 5.5 g |
| Packaging | T&R, 330mm |
| Packaging Quantity | 250 |

Specifications

| | |
|-------------------------|--|
| Inductance | 0.47 uH (0.1MHz) |
| Inductance Tolerance | 20% |
| Inductance | 470 nH |
| Temperature Range | -55/+155°C |
| Shielded | true |
| Current | 38.2 A (I _{rms} , 40C Rise By Self Heating), 40 A (I _{sat} , 20% Drop In Inductance), 58 A (I _{sat} , 30% Drop In Inductance) |
| DC Resistance | 1.7 mOhms |
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| Self-Resonant Frequency | 53 MHz |

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