


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

General Information

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|---------------|----------------------------------|
| Series | MPLCG |
| Style | SMD Molded |
| Core | Metal Composite |
| Description | Shielded, Surface Mount Inductor |
| Features | Large Current Inductors |
| RoHS | Yes |
| Miscellaneous | 40 (K) Temperature Rise Max. |

Dimensions

| | |
|---|----------------|
| L | 7.5mm MAX |
| W | 6.7mm +/-0.2mm |
| T | 3mm MAX |
| G | 3.2mm +/-0.2mm |

Specifications

| | |
|----------------------|--|
| Inductance | 1.5 uH (0.1 MHz) |
| Inductance Tolerance | 20% |
| Rated Current | 9.9 A (Irms, 40C Rise By Self Heating) |
| Saturation Current | 8.3 A (Isat, 20% Drop In Inductance) |
| Temperature Range | -40/+125°C |
| Rated Temperature | 120°C |
| Shielded | Yes |
| DC Resistance | 15 mOhms |
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Packaging Specifications

| | |
|--------------------------|------------|
| Typical Component Weight | 650 mg |
| Packaging | T&R, 380mm |
| Packaging Quantity | 2000 |

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