



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

| | |
|-----------|----------------|
| Chip Size | 0530(2120) |
| L | 5.5mm MAX |
| W | 5mm +/-0.2mm |
| T | 3mm MAX |
| G | 2.5mm +/-0.2mm |

Packaging Specifications

| | |
|--------------------------|------------|
| Typical Component Weight | 350 mg |
| Packaging | T&R, 380mm |
| Packaging Quantity | 3500 |

Specifications

| | |
|----------------------|--|
| Inductance | 2.2 uH (0.1 MHz) |
| Inductance Tolerance | 20% |
| Rated Current | 4.5 A (Irms, 40C Rise By Self Heating) |
| Saturation Current | 5 A (Isat, 20% Drop In Inductance) |
| Temperature Range | -40/+125°C |
| Rated Temperature | 120°C |
| Shielded | Yes |
| DC Resistance | 36.4 mOhms |
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