



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

Dimensions

| | |
|----|-----------------|
| L | 10.8mm +/-0.3mm |
| W | 10mm +/-0.2mm |
| T | 5.4mm MAX |
| LL | 2.2mm NOM |
| G | 4.7mm +/-0.3mm |

Packaging Specifications

| | |
|--------------------|------------|
| Packaging | T&R, 330mm |
| Packaging Quantity | 500 |

General Information

| | |
|----------------|------------------------------|
| Series | MPGV |
| Style | SMD |
| Chip Size | 1054 |
| Description | Surface Mount Inductor |
| Features | Power Inductors |
| RoHS | Yes |
| Qualifications | AEC-Q200 |
| AEC-Q200 | Yes |
| Core | Composite |
| Miscellaneous | 40 (K) Temperature Rise Max. |

Specifications

| | |
|-------------------------|--|
| Inductance | 47 uH |
| Inductance Tolerance | 20% |
| Temperature Range | -55/+155°C |
| Shielded | Yes |
| Current | 3.6 A (Irms, 40C Rise By Self Heating), 4 A (Isat, 20% Drop In Inductance), 6 A (Isat, 30% Drop In Inductance) |
| DC Resistance | 117.6 mOhms |
| Self-Resonant Frequency | 4 MHz |