



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

Dimensions

| | |
|----|----------------|
| L | 5.5mm MAX |
| W | 5mm +/-0.2mm |
| T | 1.2mm MAX |
| S1 | 1.1mm NOM |
| LL | 1.1mm NOM |
| G | 2.5mm +/-0.2mm |

Packaging Specifications

| | |
|--------------------|------------|
| Packaging | T&R, 380mm |
| Packaging Quantity | 5000 |

General Information

| | |
|---------------|------------------------------|
| Series | MPLCH |
| Style | SMD |
| Chip Size | 2220 |
| Description | Surface Mount Inductor |
| Features | Low Profile Power Inductors |
| RoHS | Yes |
| Core | Composite |
| Miscellaneous | 40 (K) Temperature Rise Max. |

Specifications

| | |
|----------------------|--|
| Inductance | 2.2 uH |
| Inductance Tolerance | 20% |
| Temperature Range | -40/+125°C |
| Rated Temperature | 120°C |
| Shielded | Yes |
| Current | 4.4 A (Isat, 30% Drop In Inductance), 3.3 A (Irms, 40C Rise By Self Heating) |
| DC Resistance | 78 mOhms |