



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

Dimensions

| | |
|----|----------------|
| L | 7mm +/-0.25mm |
| W | 6.5mm +/-0.2mm |
| T | 3mm MAX |
| LL | 1.3mm NOM |
| G | 3.2mm +/-0.3mm |

Packaging Specifications

| | |
|--------------------|------------|
| Packaging | T&R, 330mm |
| Packaging Quantity | 1500 |

General Information

| | |
|----------------|------------------------------|
| Series | MPEV |
| Style | SMD |
| Chip Size | 2826 |
| 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 | 6.8 uH |
| Inductance Tolerance | 20% |
| Temperature Range | -55/+180°C |
| Shielded | Yes |
| Current | 5.2 A (Irms, 40C Rise By Self Heating), 4 A (Isat, 20% Drop In Inductance), 5.5 A (Isat, 30% Drop In Inductance) |
| DC Resistance | 50.9 mOhms |
| Self-Resonant Frequency | 16 MHz |