



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

Dimensions

| | |
|----|-----------------|
| L | 17mm +/-0.5mm |
| W | 17.1mm +/-0.5mm |
| T | 4mm MAX |
| LL | 2.1mm NOM |
| G | 11.9mm NOM |

Packaging Specifications

| | |
|--------------------|------------|
| Packaging | T&R, 330mm |
| Packaging Quantity | 100 |

General Information

| | |
|----------------|------------------------------|
| Series | MPXV |
| Style | SMD |
| Chip Size | 1740(6868) |
| 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 | 1 uH |
| Inductance Tolerance | 20% |
| Temperature Range | -55/+155°C |
| Shielded | Yes |
| Current | 30 A (Irms, 40C Rise By Self Heating), 28 A (Isat, 20% Drop In Inductance), 43 A (Isat, 30% Drop In Inductance) |
| DC Resistance | 2.3 mOhms |
| Self-Resonant Frequency | 30 MHz |