



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

Dimensions

| | |
|-----------|------------------|
| Chip Size | 0840(3431) |
| AEC-Q200 | Yes |
| L | 8.65mm +/-0.25mm |
| W | 8mm +/-0.2mm |
| T | 4mm MAX |
| G | 5.1mm +/-0.3mm |

Packaging Specifications

| | |
|--------------------------|------------|
| Typical Component Weight | 1.45 g |
| Packaging | T&R, 330mm |
| Packaging Quantity | 1000 |

General Information

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

Specifications

| | |
|-------------------------|-------------------------------------------------------------------------------------------------------------------|
| Inductance | 330 nH |
| Inductance Tolerance | 20% |
| Temperature Range | -55/+155°C |
| Shielded | true |
| Current | 27.7 A (Irms, 40C Rise By Self Heating), 30 A (Isat, 20% Drop In Inductance), 45 A (Isat, 30% Drop In Inductance) |
| DC Resistance | 2.4 mOhms |
| Self-Resonant Frequency | 77 MHz |