



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              | 0.47 uH   |
| Inductance Tolerance    | 20%   |
| Temperature Range       | -55/+180°C  |
| Shielded                | Yes   |
| Current                 | 18.7 A (Irms, 40C Rise By Self Heating), 15 A (Isat, 20% Drop In Inductance), 21 A (Isat, 30% Drop In Inductance) |
| DC Resistance           | 4 mOhms   |
| Self-Resonant Frequency | 70 MHz  |