



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

| Dimensions |                |
|------------|----------------|
| Chip Size  | 2826           |
| AEC-Q200   | Yes            |
| L          | 7mm +/-0.25mm  |
| W          | 6.5mm +/-0.2mm |
| T          | 3mm MAX        |
| G          | 3.2mm +/-0.3mm |

| Packaging Specifications |            |
|--------------------------|------------|
| Typical Component Weight | 620 mg     |
| Packaging                | T&R, 330mm |
| Packaging Quantity       | 1500       |

| General Information |                              |
|---------------------|------------------------------|
| Series              | MPEV                         |
| 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              | 6800 nH                                                                                                          |
| 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                                                                                                           |

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