


**General Information**

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

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

**Dimensions**

|   |                 |
|---|-----------------|
| L | 10.8mm +/-0.3mm |
| W | 10mm +/-0.2mm   |
| T | 4mm MAX         |
| G | 3mm +/-0.3mm    |

**Packaging Specifications**

|                          |            |
|--------------------------|------------|
| Typical Component Weight | 2.2 g      |
| Packaging                | T&R, 330mm |
| Packaging Quantity       | 500        |

**Specifications**

|                         |   |
|-------------------------|---|
| Inductance              | 6.8 uH (100 kHz)  |
| Inductance Tolerance    | 20%   |
| Rated Current           | 8.3 A (Irms, 40C Rise By Self Heating)                                    |
| Saturation Current      | 8 A (Isat, 20% Drop In Inductance), 11.5 A (Isat, 30% Drop In Inductance) |
| Temperature Range       | -55/+180°C  |
| Shielded                | Yes   |
| DC Resistance           | 24.1 mOhms  |
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| Self-Resonant Frequency | 14 MHz  |

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