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#### 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. |

#### Dimensions

|           |                |
|-----------|----------------|
| Chip Size | 0650(2826)     |
| L         | 7mm +/-0.25mm  |
| W         | 6.5mm +/-0.2mm |
| T         | 5mm MAX        |
| G         | 3.2mm +/-0.3mm |

#### Packaging Specifications

|                          |            |
|--------------------------|------------|
| Typical Component Weight | 1.05 g     |
| Packaging                | T&R, 330mm |
| Packaging Quantity       | 1000       |

#### Specifications

|                         |  |
|-------------------------|--|
| Inductance              | 6.8 uH (100 kHz)   |
| Inductance Tolerance    | 20%  |
| Rated Current           | 5.7 A (Irms, 40C Rise By Self Heating)                                   |
| Saturation Current      | 4 A (Isat, 20% Drop In Inductance), 5.5 A (Isat, 30% Drop In Inductance) |
| Temperature Range       | -55/+155°C   |
| Shielded                | Yes  |
| DC Resistance           | 44.2 mOhms   |
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| Self-Resonant Frequency | 17 MHz   |

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