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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 | 0530(2120)     |
| L         | 5.3mm +/-0.2mm |
| W         | 5mm +/-0.2mm   |
| T         | 3mm MAX        |
| G         | 2.5mm +/-0.2mm |

#### Packaging Specifications

|                          |            |
|--------------------------|------------|
| Typical Component Weight | 330 mg     |
| Packaging                | T&R, 330mm |
| Packaging Quantity       | 2500       |

#### Specifications

|                         |   |
|-------------------------|---|
| Inductance              | 0.68 uH (100 kHz)   |
| Inductance Tolerance    | 20%   |
| Rated Current           | 12.6 A (Irms, 40C Rise By Self Heating)                                 |
| Saturation Current      | 8 A (Isat, 20% Drop In Inductance), 12 A (Isat, 30% Drop In Inductance) |
| Temperature Range       | -55/+155°C  |
| Shielded                | Yes   |
| DC Resistance           | 8.2 mOhms   |
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| Self-Resonant Frequency | 70 MHz  |

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