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#### General Information

|               |                              |
|---------------|------------------------------|
| Series        | MPX                          |
| Style         | SMD Molded                   |
| Core          | Metal Composite              |
| Description   | Surface Mount Inductor       |
| Features      | Power Inductors              |
| RoHS          | 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              | 1.5 uH (0.1 MHz)   |
| Inductance Tolerance    | 20%  |
| Rated Current           | 8.6 A (I <sub>rms</sub> , 40C Rise By Self Heating)  |
| Saturation Current      | 5.5 A (I <sub>sat</sub> , 20% Drop In Inductance), 8 A (I <sub>sat</sub> , 30% Drop In Inductance) |
| Temperature Range       | -55/+155°C   |
| Shielded                | Yes  |
| DC Resistance           | 17.7 mOhms   |
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| Self-Resonant Frequency | 45 MHz   |

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