



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

## 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 | 0520(2120)     |
| L         | 5.3mm +/-0.2mm |
| W         | 5mm +/-0.2mm   |
| T         | 2mm MAX        |
| G         | 2.5mm +/-0.2mm |

## Packaging Specifications

|                          |            |
|--------------------------|------------|
| Typical Component Weight | 230 mg     |
| Packaging                | T&R, 330mm |
| Packaging Quantity       | 3500       |

## Specifications

|                         |   |
|-------------------------|---|
| Inductance              | 0.47 uH (0.1 MHz)   |
| Inductance Tolerance    | 20%   |
| Rated Current           | 12 A (Irms, 40C Rise By Self Heating)                                   |
| Saturation Current      | 9 A (Isat, 20% Drop In Inductance), 14 A (Isat, 30% Drop In Inductance) |
| Temperature Range       | -55/+155°C  |
| Shielded                | Yes   |
| DC Resistance           | 7.8 mOhms   |
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| Self-Resonant Frequency | 87 MHz  |

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