



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 | 1235(5350)      |
| L         | 13.2mm +/-0.4mm |
| W         | 12.5mm +/-0.2mm |
| T         | 3.5mm MAX       |
| G         | 3mm +/-0.3mm    |

## Packaging Specifications

|                          |            |
|--------------------------|------------|
| Typical Component Weight | 2.9 g      |
| Packaging                | T&R, 330mm |
| Packaging Quantity       | 500        |

## Specifications

|                         |  |
|-------------------------|--|
| Inductance              | 4.7 uH (0.1MHz)  |
| Inductance Tolerance    | 20%  |
| Rated Current           | 10.9 A (Irms, 40C Rise By Self Heating)                                      |
| Saturation Current      | 11.5 A (Isat, 20% Drop In Inductance), 17.5 A (Isat, 30% Drop In Inductance) |
| Temperature Range       | -55/+155°C   |
| Shielded                | Yes  |
| DC Resistance           | 16.4 mOhms   |
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| Self-Resonant Frequency | 14 MHz   |

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