



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**

|   |               |
|---|---------------|
| L | 22mm +/-0.5mm |
| W | 22mm +/-0.5mm |
| T | 13mm MAX      |
| G | 18.5mm NOM    |

**Packaging Specifications**

|                          |            |
|--------------------------|------------|
| Typical Component Weight | 37 g       |
| Packaging                | T&R, 330mm |
| Packaging Quantity       | 50         |

**Specifications**

|                         |  |
|-------------------------|--|
| Inductance              | 47 uH (0.1 MHz)  |
| Inductance Tolerance    | 20%  |
| Rated Current           | 15.5 A (Irms, 40C Rise By Self Heating)                                    |
| Saturation Current      | 13.5 A (Isat, 20% Drop In Inductance), 19 A (Isat, 30% Drop In Inductance) |
| Temperature Range       | -55/+155°C   |
| Shielded                | Yes  |
| DC Resistance           | 20.5 mOhms   |
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| Self-Resonant Frequency | 2.5 MHz  |

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