



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

#### General Information

|               |                              |
|---------------|------------------------------|
| Series        | TPI                          |
| Style         | SMD Power Bead               |
| Core          | Ferrite                      |
| Description   | Surface Mount Inductor       |
| Features      | DC Optimized TPI Inductors   |
| RoHS          | Yes                          |
| Miscellaneous | 40 (K) Temperature Rise Max. |

#### Dimensions

|   |                |
|---|----------------|
| L | 12mm MAX       |
| W | 8mm MAX        |
| T | 8mm MAX        |
| G | 2.3mm +/-0.1mm |

#### Packaging Specifications

|                          |            |
|--------------------------|------------|
| Typical Component Weight | 3.5 g      |
| Packaging                | T&R, 330mm |
| Packaging Quantity       | 400        |

#### Specifications

|                      |                                       |
|----------------------|---------------------------------------|
| Inductance           | 180 nH (0.1 MHz)                      |
| Inductance Tolerance | 10%                                   |
| Rated Current        | 50 A (Irms, 40C Rise By Self Heating) |
| Saturation Current   | 78 A (Isat, 20% Drop In Inductance)   |
| Temperature Range    | -40/+125°C                            |
| Shielded             | Yes                                   |
| DC Resistance        | 0.29 mOhms                            |
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