



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

### Dimensions

|           |                |
|-----------|----------------|
| Chip Size | 1007           |
| L         | 2.5mm +/-0.2mm |
| W         | 1.8mm +/-0.2mm |
| T         | 1.8mm +/-0.2mm |
| LL        | 0.5mm +/-0.2mm |
| B         | 0.5mm +/-0.2mm |

### Packaging Specifications

|                    |      |
|--------------------|------|
| Packaging          | T&R  |
| Packaging Quantity | 2000 |

### General Information

|             |                        |
|-------------|------------------------|
| Series      | L-DWI                  |
| Style       | SMD Chip               |
| Description | Surface Mount Inductor |
| Features    | High Current Type      |
| RoHS        | Yes                    |

### Specifications

|                         |   |
|-------------------------|---|
| Inductance              | 47 uH (2.52 MHz)  |
| Inductance Tolerance    | 20%   |
| Temperature Range       | -40/+105°C  |
| Current                 | 240 mAmps (Isat, 30% Drop In Inductance),<br>290 mAmps (Irms, 40C Rise By Self Heating) |
| DC Resistance           | 1.9 Ohms  |
| Self-Resonant Frequency | 12 MHz  |

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