



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

**General Information**

|               |                                  |
|---------------|----------------------------------|
| Series        | MPCH                             |
| Style         | SMD Molded                       |
| Core          | Metal Composite                  |
| Description   | Shielded, Surface Mount Inductor |
| Features      | Large Current Inductors          |
| RoHS          | Yes                              |
| Miscellaneous | 40 (K) Temperature Rise Max.     |

**Dimensions**

|   |               |
|---|---------------|
| L | 11.5mm MAX    |
| W | 10mm +/-0.3mm |
| T | 4mm MAX       |
| G | 3mm +/-0.5mm  |

**Packaging Specifications**

|                          |            |
|--------------------------|------------|
| Typical Component Weight | 2.3 g      |
| Packaging                | T&R, 330mm |
| Packaging Quantity       | 1000       |

**Specifications**

|                      |  |
|----------------------|--|
| Inductance           | 1 uH (0.1 MHz)                                     |
| Inductance Tolerance | 20%  |
| Rated Current        | 17 A (I <sub>rms</sub> , 40C Rise By Self Heating) |
| Saturation Current   | 17 A (I <sub>sat</sub> , 20% Drop In Inductance)   |
| Temperature Range    | -40/+125°C   |
| Rated Temperature    | 120°C  |
| Shielded             | Yes  |
| DC Resistance        | 2.3 mOhms  |
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