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**General Information**

|               |                                  |
|---------------|----------------------------------|
| Series        | MPLCH                            |
| 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          | 7.8mm MAX      |
| W          | 6.7mm +/-0.2mm |
| T          | 4mm MAX        |
| G          | 3.2mm +/-0.1mm |

  

| Packaging Specifications |            |
|--------------------------|------------|
| Packaging                | T&R, 330mm |
| Packaging Quantity       | 1000       |

| Specifications       |   |
|----------------------|---|
| Inductance           | 1.5 uH (0.1 MHz)                        |
| Inductance Tolerance | 20%                                     |
| Rated Current        | 11.1 A (Irms, 40C Rise By Self Heating) |
| Saturation Current   | 10.8 A (Isat, 30% Drop In Inductance)   |
| Temperature Range    | -40/+125°C                              |
| Shielded             | Yes                                     |
| DC Resistance        | 9 mOhms                                 |
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