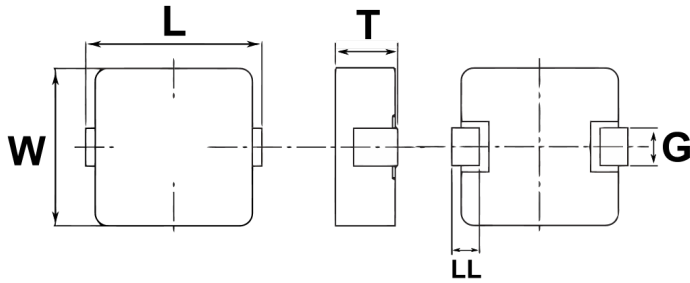


## MPCH1040LR68

Aliases (UPIC1040LR6800)

KEMET, MPCH, SMD, 680 nH, 20%, 1040(4340)



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

### Dimensions

|           |               |
|-----------|---------------|
| Chip Size | 1040(4340)    |
| L         | 11.5mm MAX    |
| W         | 10mm +/-0.3mm |
| T         | 4mm MAX       |
| LL        | 2.1mm NOM     |
| G         | 3mm +/-0.5mm  |

### Packaging Specifications

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

### General Information

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

### Specifications

|                      |  |
|----------------------|--|
| Inductance           | 680 nH   |
| Inductance Tolerance | 20%  |
| Temperature Range    | -40/+125°C   |
| Rated Temperature    | 120°C  |
| Shielded             | Yes  |
| Current              | 24 A (Isat, 20% Drop In Inductance), 22 A (Irms, 40C Rise By Self Heating) |
| DC Resistance        | 2.3 mOhms  |