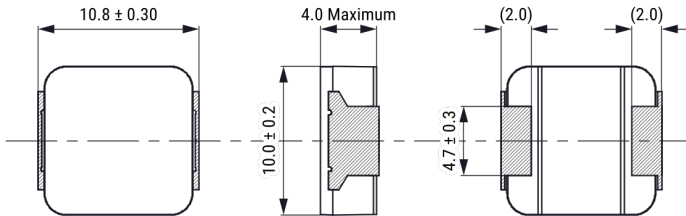


## MPX1D1040LR68

Aliases (UPI2X11040LR68)

KEMET, MPX, Power, 0.68 uH, 20%, 1040(4340)



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

### Dimensions

|    |                 |
|----|-----------------|
| L  | 10.8mm +/-0.3mm |
| W  | 10mm +/-0.2mm   |
| T  | 4mm MAX         |
| LL | 2mm NOM         |
| G  | 4.7mm +/-0.3mm  |

### Packaging Specifications

|                    |            |
|--------------------|------------|
| Packaging          | T&R, 330mm |
| Packaging Quantity | 500        |

### General Information

|               |                              |
|---------------|------------------------------|
| Series        | MPX                          |
| Style         | SMD                          |
| Chip Size     | 1040(4340)                   |
| Description   | Surface Mount Inductor       |
| Features      | Power Inductors              |
| RoHS          | Yes                          |
| Core          | Composite                    |
| Miscellaneous | 40 (K) Temperature Rise Max. |

### Specifications

|                         |  |
|-------------------------|--|
| Inductance              | 0.68 uH  |
| Inductance Tolerance    | 20%  |
| Temperature Range       | -55/+155°C   |
| Shielded                | Yes  |
| Current                 | 23.1 A (I <sub>rms</sub> , 40C Rise By Self Heating), 23 A (I <sub>sat</sub> , 20% Drop In Inductance), 34.5 A (I <sub>sat</sub> , 30% Drop In Inductance) |
| DC Resistance           | 3.2 mOhms  |
| Self-Resonant Frequency | 47 MHz   |

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