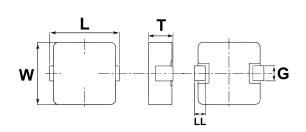
## KEMET Part Number: MPC1055L1R0C Not for New Design

(UPIA1055L1R0C0)

## Electronic Components

## KEMET, MPC, Power, 1000 nH, 20%



| General Information |   |
|---------------------|---|
| Series:             | MPC   |
| Style:              | SMD   |
| Description:        | Shielded, Surface Mount<br>Inductor           |
| Features:           | High Speed, Large Current DC/<br>DC Converter |
| RoHS:               | Yes   |
| Core:               | Composite                                     |

| Dimensions |               |  |
|------------|---------------|--|
| Chip Size  | 4639          |  |
| L          | 11.7mm MAX    |  |
| W          | 10mm +/-0.3mm |  |
| Т          | 5.5mm MAX     |  |
| LL         | 2.1mm NOM     |  |
| G          | 3mm +/-0.5mm  |  |

| Packaging Specifications |            |
|--------------------------|------------|
| Packaging:               | T&R, 380mm |
| Packaging Quantity:      | 500        |

| Specifications        |  |
|-----------------------|--|
| Inductance:           | 1 uH (0.1 MHz)   |
| Inductance Tolerance: | 20%  |
| Temperature Range:    | -40/+125C  |
| Rated Temperature:    | 120C   |
| Shielded:             | Yes  |
| Current:              | 21 Amps (Isat, 20% Drop In<br>Inductance), 18.5 Amps (Irms,<br>40C Rise By Self Heating) |
| DC Resistance:        | 2.3 mOhms  |

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