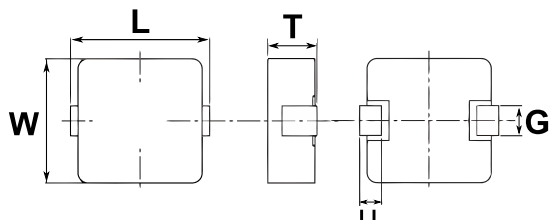


**KEMET Part Number: MPC1040LR56C**  
(UPIA1040LR56C0)

Power, MPC, 560 nH, 20%



**Dimensions**

|           |                |
|-----------|----------------|
| Chip Size | 4539           |
| L         | 11.5mm MAX     |
| W         | 10mm +/-0.3mm  |
| T         | 4mm MAX        |
| LL        | 2.1mm NOM      |
| G         | 3.5mm +/-0.5mm |

**Packaging Specifications**

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

**General Information**

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

**Specifications**

|                       |                                                                                          |
|-----------------------|------------------------------------------------------------------------------------------|
| Inductance:           | 0.56 uH (0.1 MHz)                                                                        |
| Inductance Tolerance: | 20%                                                                                      |
| Temperature Range:    | -20/+120C                                                                                |
| Shielded:             | Yes                                                                                      |
| Current:              | 25000 mAmps (Isat, 20% Drop In Inductance), 23000 mAmps (Irms, 40C Rise By Self Heating) |
| DC Resistance:        | 1.3 mOhms                                                                                |