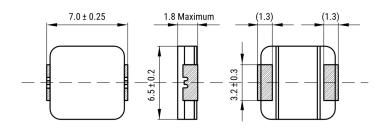


## MPX1D0618LR10

Aliases (UPI2X10618LR10)

KEMET, MPX, Metal Composite, 20%, 100 nH, 0618(2826)



Click here for the 3D model.

| Dimensions |                |
|------------|----------------|
| Chip Size  | 0618(2826)     |
| L          | 7mm +/-0.25mm  |
| W          | 6.5mm +/-0.2mm |
| Т          | 1.8mm MAX      |
| G          | 3.2mm +/-0.3mm |

| Packaging Specifications | ,          |
|--------------------------|------------|
| Typical Component Weight | 370 mg     |
| Packaging                | T&R, 330mm |
| Packaging Quantity       | 2500       |

| General Information |                              |  |
|---------------------|------------------------------|--|
| Series              | MPX                          |  |
| Style               | SMD Molded                   |  |
| Core                | Metal Composite              |  |
| Description         | Surface Mount Inductor       |  |
| Features            | Power Inductors              |  |
| RoHS                | Yes                          |  |
| Miscellaneous       | 40 (K) Temperature Rise Max. |  |

| Specifications             |   |
|----------------------------|---|
| Inductance                 | 100 nH  |
| Inductance<br>Tolerance    | 20%   |
| Temperature<br>Range       | -55/+155°C  |
| Shielded                   | Yes   |
| Current                    | 18.9 A (Irms, 40C Rise By Self Heating), 22.5 A (Isat, 20% Drop In Inductance), 40 A (Isat, 30% Drop In Inductance) |
| DC Resistance              | 2.8 mOhms   |
| Self-Resonant<br>Frequency | 230 MHz   |

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