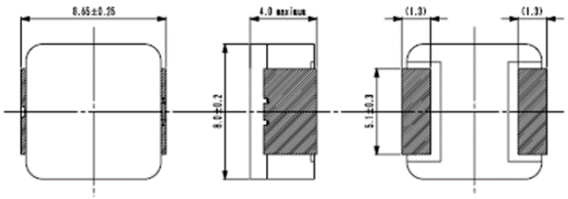
# KEMET Part Number: MPX1D0840LR47

KEMET, MPX, Power, 470 nH, 20%



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

| Specifications | |
|---|---|
| **Inductance:** | 0.47 uH (0.1 MHz) |
| **Inductance Tolerance:** | 20% |
| **Temperature Range:** | -55/+155°C |
| **Shielded:** | Yes |
| **Current:** | 25.8 A (Isat, 30% Drop In Inductance), 38 A (Irms, 40C Rise By Self Heating) |
| **DC Resistance:** | 2.7 mOhms |

| Dimensions | |
|---|---|
| **Chip Size** | 3431 |
| **L** | 8.65mm +/-0.25mm |
| **W** | 8mm +/-0.2mm |
| **T** | 4mm MAX |
| **LL** | 1.3mm NOM |
| **G** | 5.1mm +/-0.3mm |

| Packaging Specifications | |
|---|---|
| **Packaging:** | T&R, 330mm |
| **Packaging Quantity:** | 1000 |

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