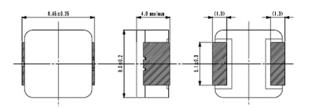
## **KEMET Part Number: MPX1D0840LR47**



## 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. |

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

| 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<br>Inductance), 38 A (Irms, 40C<br>Rise By Self Heating) |
| DC Resistance:        | 2.7 mOhms  |

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

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