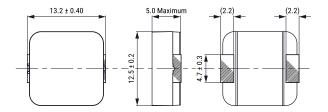
## **KEMET Part Number: MPX1D1250LR68**



## KEMET, MPX, Power, 680 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 |                 |
|------------|-----------------|
| L          | 13.2mm +/-0.4mm |
| W          | 12.5mm +/-0.2mm |
| Т          | 5mm MAX         |
| LL         | 2.2mm NOM       |
| G          | 4.7mm +/-0.3mm  |

| Specifications           |  |
|--------------------------|--|
| Inductance:              | 0.68 uH (0.1 MHz)  |
| Inductance Tolerance:    | 20%  |
| Temperature Range:       | -55/+155°C   |
| Shielded:                | Yes  |
| Current:                 | 32.7 A (Irms, 40C Rise By Self<br>Heating), 30 A (Isat, 20% Drop<br>In Inductance), 45 A (Isat, 30%<br>Drop In Inductance) |
| DC Resistance:           | 2 mOhms  |
| Self-Resonant Frequency: | 45 MHz   |

| Packaging Specifications |            |
|--------------------------|------------|
| Packaging:               | T&R, 330mm |
| Packaging Quantity:      | 250        |

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