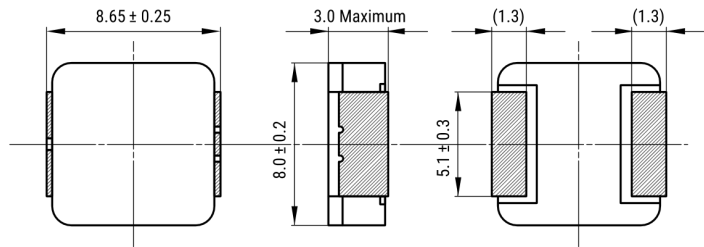


**MPX1D0830L220**

Aliases (UPI2X10830L220)

KEMET, MPX, Metal Composite, 20%, 22 uH, 0830(3431)



Click [here](#) for the 3D model.

| Dimensions |                  |
|------------|------------------|
| Chip Size  | 0830(3431)       |
| L          | 8.65mm +/-0.25mm |
| W          | 8mm +/-0.2mm     |
| T          | 3mm MAX          |
| G          | 5.1mm +/-0.3mm   |

| Packaging Specifications |            |
|--------------------------|------------|
| Typical Component Weight | 1.07 g     |
| Packaging                | T&R, 330mm |
| Packaging Quantity       | 1500       |

| 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              | 22 uH  |
| Inductance Tolerance    | 20%  |
| Temperature Range       | -55/+155°C   |
| Shielded                | Yes  |
| Current                 | 3.6 A (Irms, 40C Rise By Self Heating), 3.5 A (Isat, 20% Drop In Inductance), 5 A (Isat, 30% Drop In Inductance) |
| DC Resistance           | 134.5 mOhms  |
| Self-Resonant Frequency | 8.1 MHz  |

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