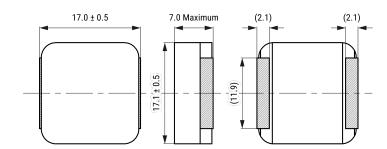


## MPX1D1770L220

Aliases (UPI2X11770L220)

KEMET, MPX, SMD, 22 uH, 20%, 1770(6868)



Click here for the 3D model.

| Dimensions |                 |
|------------|-----------------|
| Chip Size  | 1770(6868)      |
| L          | 17mm +/-0.5mm   |
| W          | 17.1mm +/-0.5mm |
| Т          | 7mm MAX         |
| LL         | 2.1mm NOM       |
| G          | 11.9mm NOM      |

| Packaging Specifications |            |
|--------------------------|------------|
| Typical Component Weight | 11 g       |
| Packaging                | T&R, 330mm |
| Packaging Quantity       | 100        |

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

| Specifications             | ,  |
|----------------------------|--|
| Inductance                 | 22 uH  |
| Inductance<br>Tolerance    | 20%  |
| Temperature<br>Range       | -55/+155°C   |
| Shielded                   | Yes  |
| Current                    | 10.5 A (Irms, 40C Rise By Self Heating), 8.5 A (Isat, 20% Drop In Inductance), 12 A (Isat, 30% Drop In Inductance) |
| DC Resistance              | 22.9 mOhms   |
| Self-Resonant<br>Frequency | 4.5 MHz  |

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