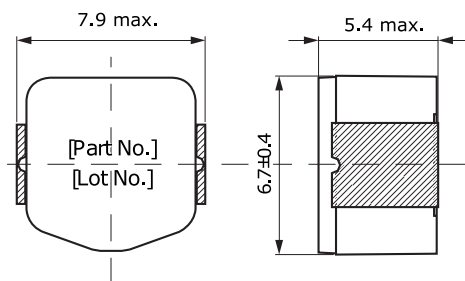


**KEMET Part Number: MPLCV0654L220**  
(UPIT0654L22000)

KEMET, MPLCV, Power, 22 uH, 20%



| General Information    |                              |
|------------------------|------------------------------|
| <b>Series:</b>         | MPLCV                        |
| <b>Style:</b>          | SMD                          |
| <b>Description:</b>    | Surface Mount Inductor       |
| <b>Features:</b>       | Power Inductors              |
| <b>RoHS:</b>           | Yes                          |
| <b>Qualifications:</b> | AEC-Q200                     |
| <b>AEC-Q200:</b>       | Yes                          |
| <b>Core:</b>           | Composite                    |
| <b>Miscellaneous:</b>  | 40 (K) Temperature Rise Max. |

| Dimensions       |                |
|------------------|----------------|
| <b>Chip Size</b> | 3126           |
| <b>L</b>         | 7.9mm MAX      |
| <b>W</b>         | 6.7mm +/-0.4mm |
| <b>T</b>         | 5.4mm MAX      |
| <b>LL</b>        | 1.4mm NOM      |

| Specifications               |  |
|------------------------------|--|
| <b>Inductance:</b>           | 22 uH (0.1 MHz)  |
| <b>Inductance Tolerance:</b> | 20%  |
| <b>Temperature Range:</b>    | -55/+155°C   |
| <b>Shielded:</b>             | Yes  |
| <b>Current:</b>              | 4.2 A (Isat, 30% Drop In Inductance), 3 A (Irms, 40C Rise By Self Heating) |
| <b>DC Resistance:</b>        | 94 mOhms   |

| Packaging Specifications   |            |
|----------------------------|------------|
| <b>Packaging:</b>          | T&R, 380mm |
| <b>Packaging Quantity:</b> | 1000       |

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