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### Dimensions

|    |                  |
|----|------------------|
| L  | 8.65mm +/-0.25mm |
| W  | 8mm +/-0.2mm     |
| T  | 3mm MAX          |
| LL | 1.3mm NOM        |
| G  | 5.1mm +/-0.3mm   |

### Packaging Specifications

|                    |            |
|--------------------|------------|
| Packaging          | T&R, 330mm |
| Packaging Quantity | 1500       |

### General Information

|                |                              |
|----------------|------------------------------|
| Series         | MPXV                         |
| Style          | SMD                          |
| Chip Size      | 0830(3431)                   |
| Description    | Surface Mount Inductor       |
| Features       | Power Inductors              |
| RoHS           | Yes                          |
| Qualifications | AEC-Q200                     |
| AEC-Q200       | Yes                          |
| Core           | Composite                    |
| Miscellaneous  | 40 (K) Temperature Rise Max. |

### Specifications

|                         |   |
|-------------------------|---|
| Inductance              | 3.3 uH  |
| Inductance Tolerance    | 20%   |
| Temperature Range       | -55/+155°C  |
| Shielded                | Yes   |
| Current                 | 8.9 A (Irms, 40C Rise By Self Heating), 9 A (Isat, 20% Drop In Inductance), 12.5 A (Isat, 30% Drop In Inductance) |
| DC Resistance           | 22.3 mOhms  |
| Self-Resonant Frequency | 24 MHz  |

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