



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

## General Information

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

## Dimensions

|   |                 |
|---|-----------------|
| L | 17mm +/-0.5mm   |
| W | 17.1mm +/-0.5mm |
| T | 4mm MAX         |
| G | 11.9mm NOM      |

## Packaging Specifications

|                          |            |
|--------------------------|------------|
| Typical Component Weight | 6.3 g      |
| Packaging                | T&R, 330mm |
| Packaging Quantity       | 100        |

## Specifications

|                         |                                                                          |
|-------------------------|--------------------------------------------------------------------------|
| Inductance              | 33 uH (100 kHz)                                                          |
| Inductance Tolerance    | 20%                                                                      |
| Rated Current           | 5 A (Irms, 40C Rise By Self Heating)                                     |
| Saturation Current      | 5.5 A (Isat, 20% Drop In Inductance), 8 A (Isat, 30% Drop In Inductance) |
| Temperature Range       | -55/+155°C                                                               |
| Shielded                | Yes                                                                      |
| DC Resistance           | 82.3 mOhms                                                               |
| DC Resistance           | 82.3 mOhms                                                               |
| Self-Resonant Frequency | 4 MHz                                                                    |

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