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**General Information**

|               |                                    |
|---------------|------------------------------------|
| Series        | SC31X                              |
| Style         | Through-Hole                       |
| Features      | High Inductance, High Permeability |
| RoHS          | Yes                                |
| Miscellaneous | Temperature Rise (K) Maximum: 45.  |
| Core          | Nanocrystal                        |

**Dimensions**

|           |                |
|-----------|----------------|
| D         | 42mm MAX       |
| T         | 42mm MAX       |
| H         | 33mm MAX       |
| LL        | 3.5mm +/-0.5mm |
| S         | 17mm MIN       |
| S1        | 30mm MIN       |
| Wire Size | 1.5mm          |

**Specifications**

|                   |             |
|-------------------|-------------|
| Voltage AC        | 500 VAC     |
| Voltage DC        | 500 VDC     |
| Inductance        | 27.09 mH    |
| Rated Current     | 10.5 A      |
| Temperature Range | -40/+130°C  |
| DC Resistance     | 18.25 mOhms |

**Packaging Specifications**

|                          |        |
|--------------------------|--------|
| Packaging                | Tray   |
| Packaging Quantity       | 80     |
| Typical Component Weight | 90.5 g |

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