SRP4020TA Series - Shielded Power Inductors

Features
- Shielded construction
- Carbonyl powder core
- High saturation current
- Inductance range: 0.1 to 22 µH
- AEC-Q200 compliant
- RoHS compliant* and halogen free**

Bourns Part Number

<table>
<thead>
<tr>
<th>Inductance @ 100 KHz</th>
<th>Q (Min.)</th>
<th>SRF (MHz)</th>
<th>DCR (mΩ)</th>
<th>Irms (A)</th>
<th>Isat (A)</th>
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</thead>
<tbody>
<tr>
<td>L (µH)</td>
<td>@ 100 KHz/1 V</td>
<td>Typ.</td>
<td>Typ.</td>
<td>Max.</td>
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<tr>
<td>SRP4020TA-R10Y</td>
<td>0.10</td>
<td>+30</td>
<td>300</td>
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<td>270</td>
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<td>7.3</td>
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<td>8.6</td>
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How to Order

SRP4020TA - 100M

Recommended Layout

Soldering Profile

WARNING Cancer and Reproductive Harm www.P65Warnings.ca.gov

** Bourns considers a product to be “halogen free” if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.
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SRP4020TA Series - Shielded Power Inductors

L vs. I Charts

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**SRP4020TA Series - Shielded Power Inductors**

### L vs. I Charts

**SRP4020TA-100M**

- Inductance (μH) vs. DC Current (A)
- Temperature Rise (°C) vs. DC Current (A)

**SRP4020TA-150M**

- Inductance (μH) vs. DC Current (A)
- Temperature Rise (°C) vs. DC Current (A)

**SRP4020TA-220M**

- Inductance (μH) vs. DC Current (A)
- Temperature Rise (°C) vs. DC Current (A)

### Packaging Specifications

**Dimensions:**
- **DIA:** 3.30 (12.99) mm
- **DIA:** 13.5 ± 0.5 (0.531 ± 0.020) mm
- **DIA:** 12.8 ± 0.5 (0.492 ± 0.020) mm

**Thickness:**
- **0.10 (0.004) mm max.**

**User Direction of Feed:**
- QTY: 3000 PCS. PER REEL

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REV. 11/19

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