**SRF1260A Series - Dual-Winding Shielded Power Inductors**

*RoHS COMPLIANT, **HALOGEN FREE & AEC COMPLIANT*

### Features
- Multiple applications: parallel, series, dual-inductor and transformer
- Magnetically shielded, low radiation
- Inductance range: 0.47 to 4000 μH
- Heating current up to 17.6 A
- AEC-Q200 compliant
- RoHS compliant* and halogen free**

### Applications
- DC/DC converters
- Power supplies
- SEPIC - DC/DC converters

<table>
<thead>
<tr>
<th>Parallel Rating</th>
<th>Series Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inductance @ 100 KHz</td>
<td>0.25 V L (μH)</td>
</tr>
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</tr>
</tbody>
</table>

#### Parallel Rating
- SRF1260A-R47Y: 0.47 ±30 0.0053 17.6 33 1.88 ±30 0.0212 8.8 16.5
- SRF1260A-1R0Y: 1.0 ±30 0.0062 15 23.6 4 ±30 0.026 7.51 11.8
- SRF1260A-1R5Y: 1.5 ±30 0.0073 13.8 18.3 6 ±30 0.0302 6.89 9.15
- SRF1260A-2R2Y: 2.2 ±30 0.0085 10.9 15 8.8 ±30 0.0333 5.46 7.5
- SRF1260A-3R3Y: 3.3 ±30 0.0101 9.26 12.7 13.2 ±30 0.0372 4.63 6.35
- SRF1260A-4R7Y: 4.7 ±30 0.0137 7.18 9.71 18.8 ±30 0.0479 3.59 4.86
- SRF1260A-6R8Y: 6.8 ±30 0.0186 6.64 8.68 27.2 ±30 0.0672 3.32 4.34
- SRF1260A-8R2Y: 8.2 ±30 0.0194 5.54 7.86 32.8 ±30 0.0737 2.77 3.93
- SRF1260A-100M: 10 ±20 0.0246 5.35 7.17 40 ±20 0.0934 2.67 3.59

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### Electrical Schematics

#### Recommended Layout
- **Parallel Mode**
  - Dimensions: 12.50 (0.492) MAX.
  - 5.00 ± 0.3 (0.197 ± 0.012)
- **Series Mode**
  - Dimensions: 6.00 ± 0.2 (0.236 ± 0.008)
  - 5.00 ± 0.3 (0.197 ± 0.012)

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**WARNING**

Cancer and Reproductive Harm
www.P65Warnings.ca.gov

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**SRF1260A Series - Dual-Winding Shielded Power Inductors**

*Soldering Profile*

- Peak Temperature: 245 °C max.
- Max. Peak Temperature: 217 °C, 60~150 sec. max.
- Max. Time Above 217 °C: 60~120 sec. max.

**Temperature Rising Area**

+4.0 °C/Sec. Max.

**Preheat Area**

150~230 °C / 60~120 Sec.

**Reflow Area**

+3.0 °C/Sec. Max.

**Forced Cooling Area**

-(1.0~5.0) °C/Sec. Max.

**Peak Temperature:** 245 °C

**Temperature (°C)**

<table>
<thead>
<tr>
<th>Time (Seconds)</th>
<th>0</th>
<th>50</th>
<th>100</th>
<th>150</th>
<th>200</th>
<th>250</th>
</tr>
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**How to Order**

**SRF1260A - 100M**

- Model: SRF1260A
- Value Code (see table)

**Packaging Specifications**

- **DIA.**
  - 21.0 ± 0.8 (0.827 ± 0.031)
  - 13.0 ± 0.5 (0.512 ± 0.020)
  - 13.0 ± 0.5 (0.512 ± 0.020)
- **THICKNESS**
  - 0.10 (.004) MAX.
- **QTY:** 400 PCS. PER REEL
- **USER DIRECTION OF FEED**
- **DIMENSIONS:** MM (INCHES)

**REV. 11/19**

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