



Features

- Shielded construction
- Unit height of 4.2 mm
- Inductance range: 0.10 μ H to 0.22 μ H
- Current up to 35 A
- RoHS compliant*

 This series is currently available but not recommended for new designs.

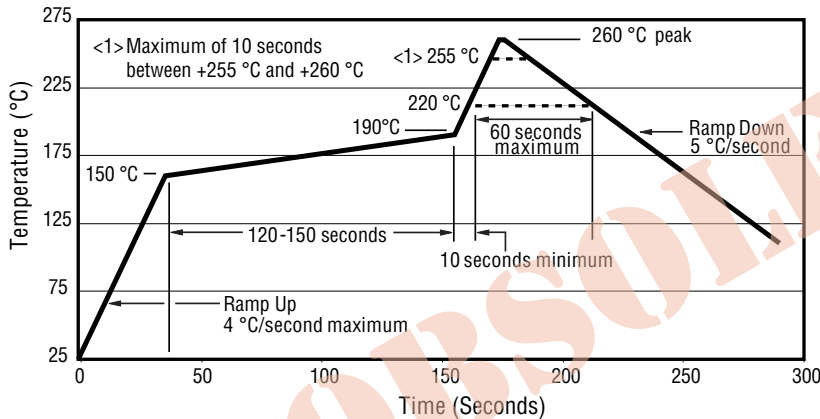
SRP8040 Series - Shielded Power Inductors

Electrical Specifications

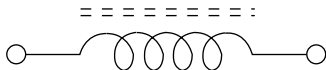
Bourns Part No.	Inductance L (μ H)	IDC (A)	RDC (m Ω) max.	RDC (m Ω) typ.
SRP8040-R10Y	0.10 \pm 30 %	35.0	0.65	0.49
SRP8040-R22Y	0.22 \pm 30 %	25.0	0.65	0.49

SRP8040-R10Y: IDC based on inductance drop 10 % typical of L value at 20 °C.
 SRP8040-R22Y: IDC based on inductance drop 30 % typical of L value at 20 °C.

Soldering Profile



Electrical Schematic



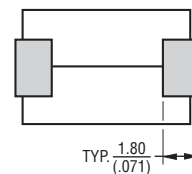
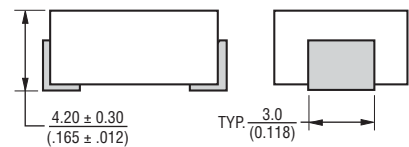
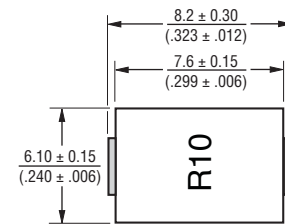
General Specifications

Test Voltage1.0 V
 Test Frequency100 KHz
 Reflow Soldering230 °C; 50 sec max.
 Operating Temperature ..-55 °C to +150 °C
 (Temperature rise included)
 Storage Temperature..-55 °C to +150 °C
 Resistance to Soldering Heat
+260 °C for 10 sec.

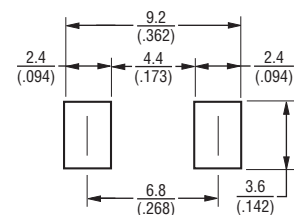
Materials

Core.....Ferrite
 Wire.....Tinned copper
 Terminal.....Cu/Sn
 Rated Current
See Electrical Specifications
 Temperature Rise.....40 °C at rated I rms
 Packaging1000 pcs. per 13-inch reel

Product Dimensions



Recommended Layout



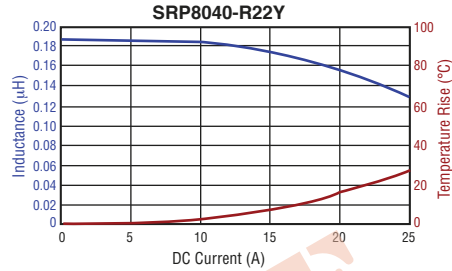
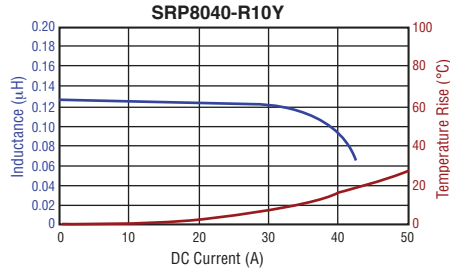
DIMENSIONS: $\frac{\text{MM}}{\text{(INCHES)}}$

*RoHS Directive 2002/95/EC Jan 27 2003 including Annex.
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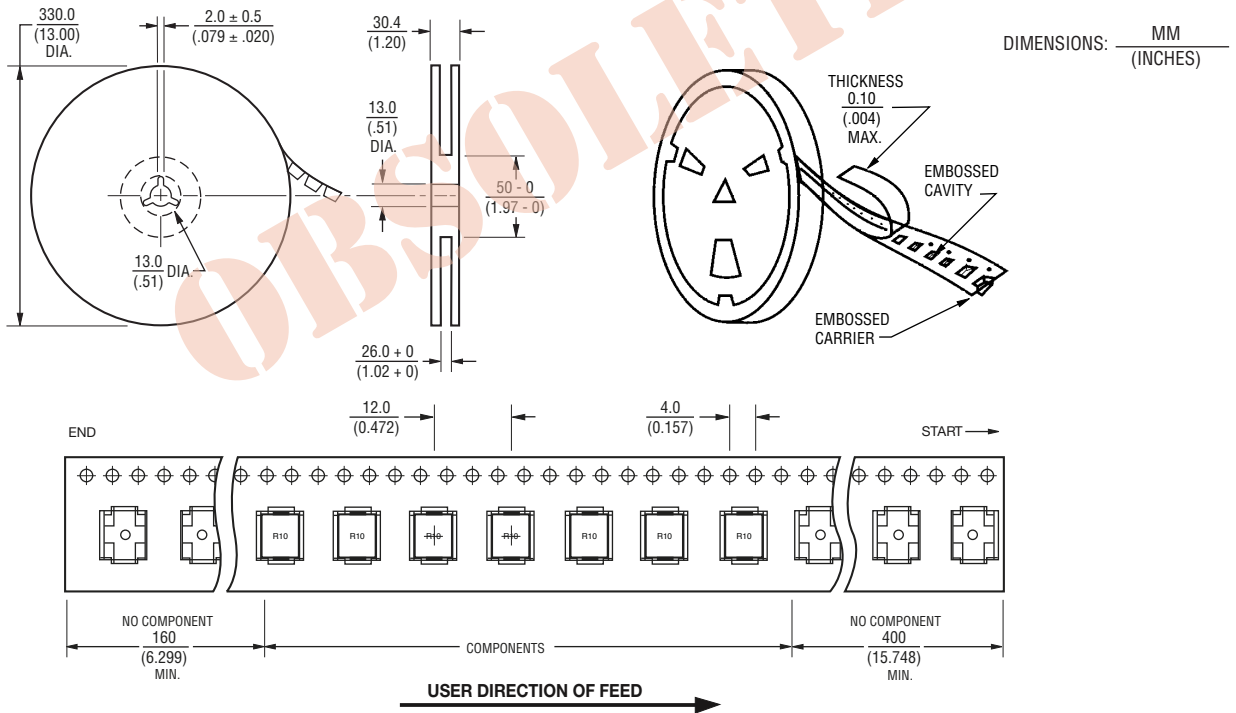
SRP8040 Series - Shielded Power Inductors

BOURNS®

L vs. I Charts



Packaging Specifications



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REV. 06/17

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Users should verify actual device performance in their specific applications.

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