



THE DATASHEET OF SRP1206-1R3Z





Features

- Shielded construction
- Unit height of 5.7 mm
- Inductance range: 0.47 to 3.3 μH
- Current up to 30 A
- RoHS compliant*



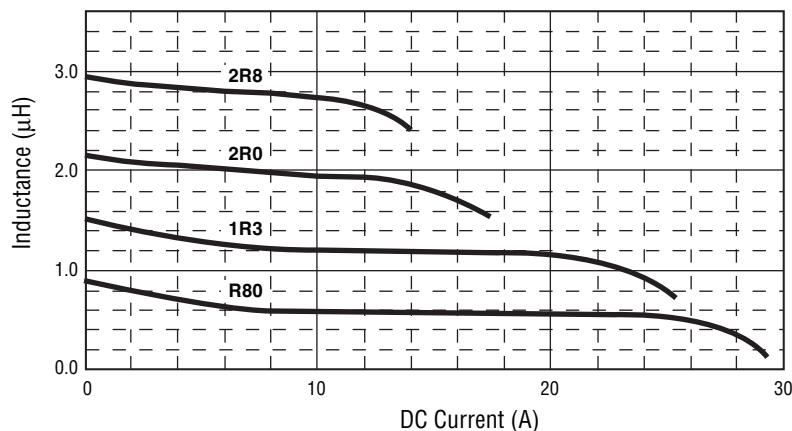
This series is currently available but not recommended for new designs.

SRP1206 Series - Shielded Power Inductors

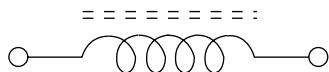
Electrical Specifications

Bourns Part No.	Initial Inductance L0 (μH)	Inductance at Flat Point L1 (μH)	Flat Point Ref. (A)	I rms (A)	I sat (A)	DCR (m Ω) Max.
SRP1206-R47Y	0.70 $\pm 25\%$	0.47 $\pm 25\%$	5.0	30.0	30.0	2.3
SRP1206-R60Y	0.90 $\pm 25\%$	0.60 $\pm 25\%$	5.0	28.0	26.0	2.3
SRP1206-R80Y	1.10 $\pm 25\%$	0.80 $\pm 25\%$	5.0	26.0	25.0	3.2
SRP1206-1R3Y	1.50 $\pm 25\%$	1.30 $\pm 25\%$	4.0	22.0	19.0	3.6
SRP1206-2R0Y	2.20 $\pm 25\%$	2.00 $\pm 25\%$	4.0	17.0	15.0	6.0
SRP1206-2R8Y	3.00 $\pm 25\%$	2.80 $\pm 25\%$	3.0	15.0	13.0	7.0
SRP1206-3R3Y	3.50 $\pm 25\%$	3.30 $\pm 25\%$	3.0	14.0	12.0	7.0

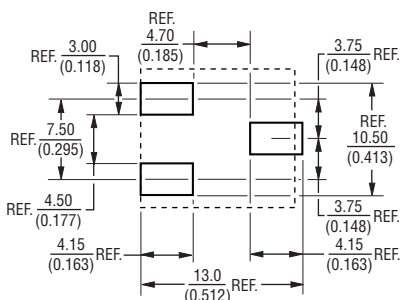
L vs I Charts



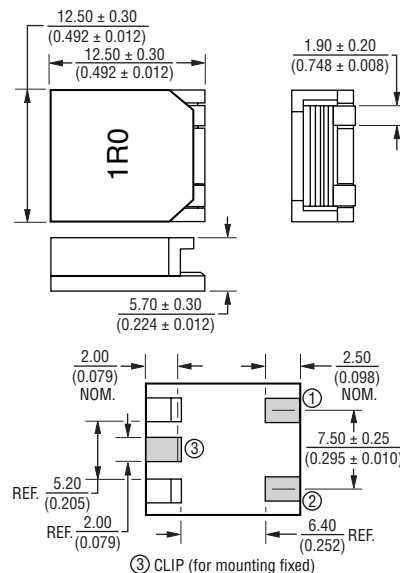
Electrical Schematic



Recommended Layout



Product Dimensions



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



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

*RoHS Directive 2015/863, Mar 31, 2015 and Annex.

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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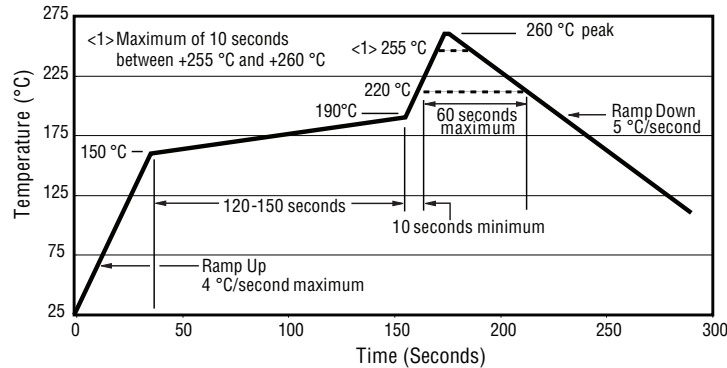
Applications

- Input/output of DC/DC converters
- Power supplies for:
 - Portable communications equipment
 - Camcorders
 - LCD TVs

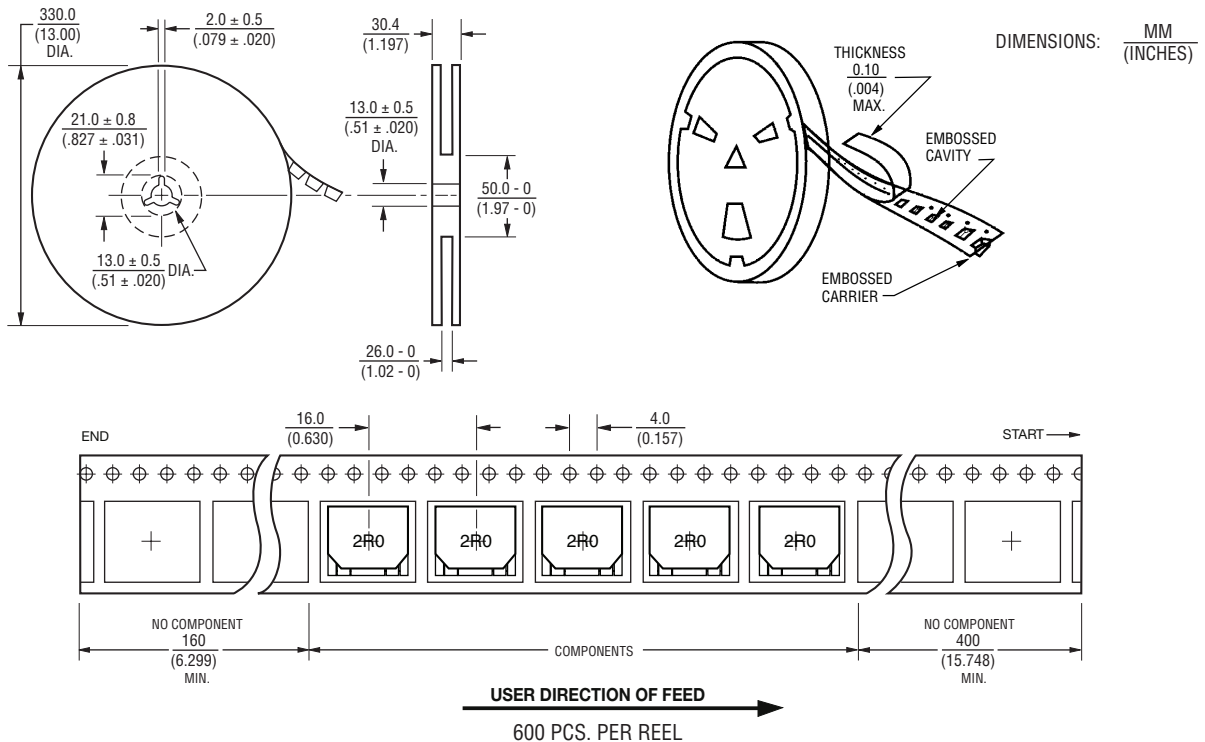
SRP1206 Series - Shielded Power Inductors

BOURNS®

Soldering Profile



Packaging Specifications



REV. 03/20

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