



Features

- Maximum height of 1.2 mm
- Current up to 1.65 A
- RoHS compliant*

Additional Information

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INVENTORY



SAMPLES



CONTACT

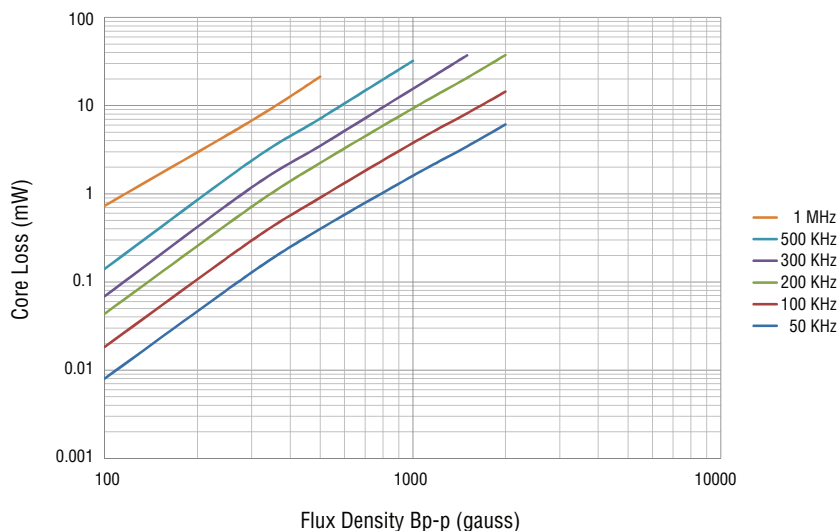
SRU2011 Series - Shielded SMD Power Inductors

Electrical Specifications

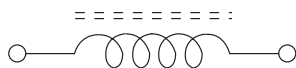
Bourns Part No.	Inductance 100 KHz		Q Ref.	Test Freq. (MHz)	SRF Typ. (MHz)	RDC Max. (mΩ)	I _{rms} Max. (A)	Isat Typ. (A)	Marking	**K- Factor
	(μH)	Tol. %								
SRU2011-1R0Y	1.0	±30	6	7.96	160	100	1.65	1.50	A	2350
SRU2011-2R2Y	2.2	±30	6	7.96	120	165	1.20	0.90	C	1678
SRU2011-3R3Y	3.3	±30	6	7.96	80	240	0.90	0.76	E	1410
SRU2011-4R7Y	4.7	±30	6	7.96	70	365	0.73	0.58	F	1137
SRU2011-6R8Y	6.8	±30	6	7.96	60	450	0.70	0.54	G	953
SRU2011-100Y	10	±30	10	2.52	45	740	0.52	0.40	H	750
SRU2011-150Y	15	±30	10	2.52	40	1200	0.38	0.34	I	641
SRU2011-220Y	22	±30	12	2.52	25	1580	0.33	0.27	J	511

**K-Factor: To calculate core flux density, B_{p-p} (gauss) = $K \times L(\mu H) \times \Delta I$ (peak-to-peak ripple current, A), determine core loss from *Core Loss vs. Flux Density* plot.

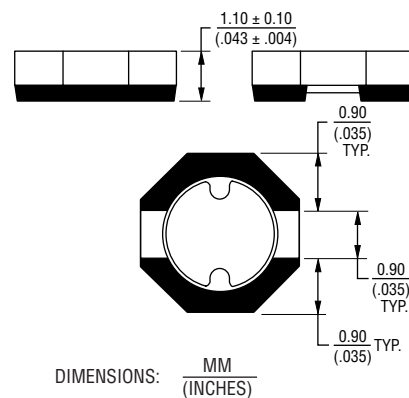
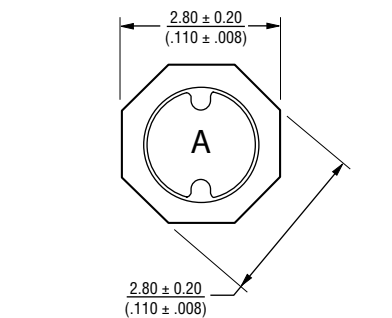
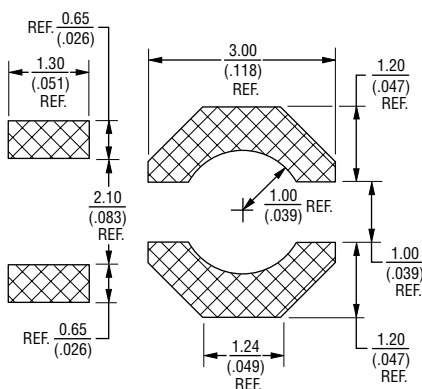
Core Loss vs. Flux Density



Electrical Schematic



Recommended Layout



DIMENSIONS: MM
(INCHES)



CALIFORNIA WARNING: Can expose you to lead, a carcinogen and reproductive toxicant. See 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. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf.

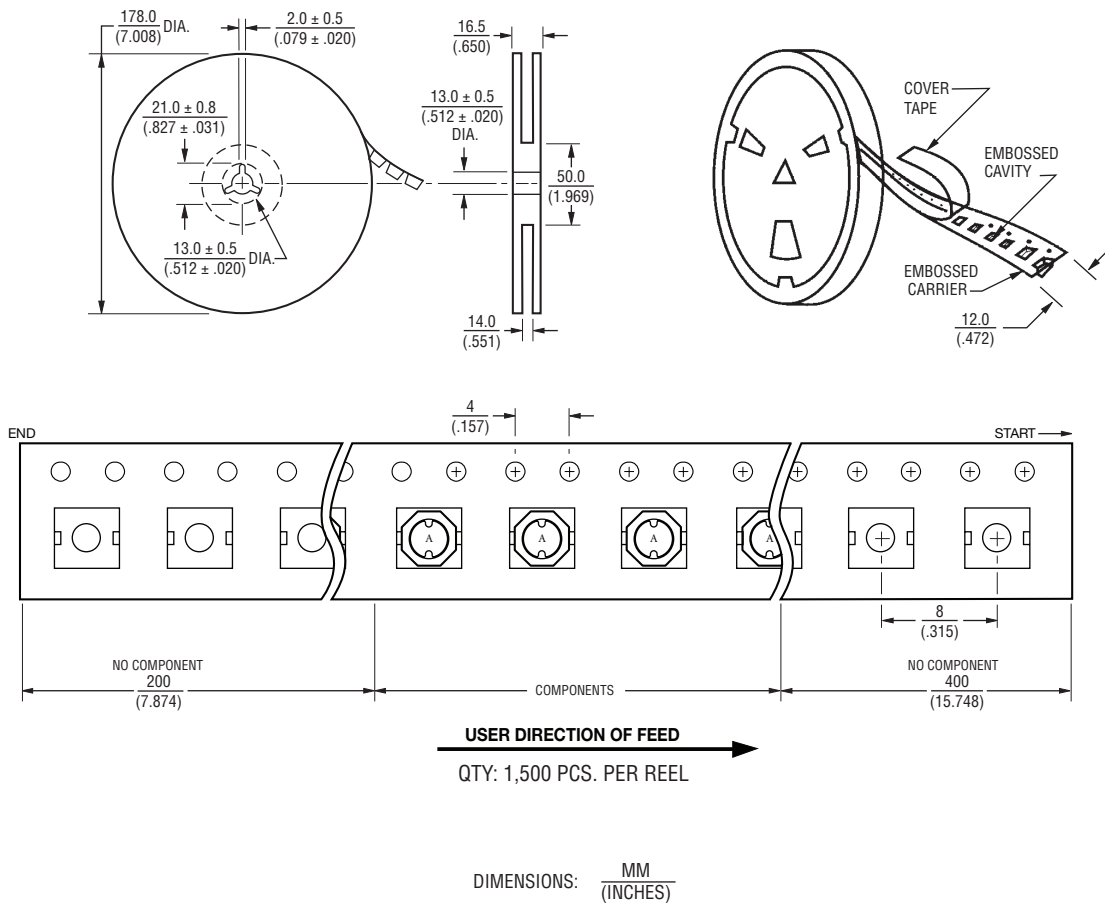
Applications

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

SRU2011 Series - Shielded SMD Power Inductors

BOURNS®

Packaging Specifications



REV. 09/25

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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