

Features

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

Applications

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

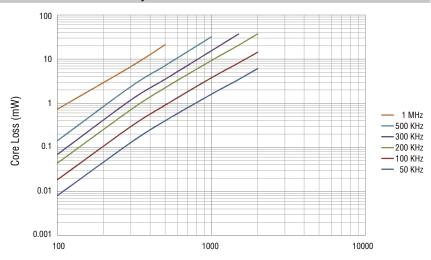
SRU2011 Series - Shielded SMD Power Inductors

Electrical Specifications

	Inductance 100 KHz			Test	SRF	RDC	Irms	Isat		
Bourns Part No.	(μH)	Tol. %	Q Ref.	Freq. (MHz)	Typ. (MHz)	Max. (mΩ)	Max. (A)	Тур. (A)	Marking	**K- Factor
SRU2011-1R0Y	1.0	±30	6	7.96	160	100	1.65	1.50	Α	2350
SRU2011-2R2Y	2.2	±30	6	7.96	120	165	1.20	0.90	С	1678
SRU2011-3R3Y	3.3	±30	6	7.96	80	240	0.90	0.76	Е	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	Н	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
SRU2011-330Y	33	±30	12	2.52	24	2860	0.23	0.22	K	425

^{**}K-Factor: To calculate core flux density, Bp-p (gauss) = K x L(μH) x Δ I (peak-to-peak ripple current, A), determine core loss from *Core Loss vs. Flux Density* plot.

Core Loss vs. Flux Density



Flux Density Bp-p (gauss)

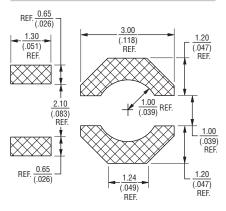
Electrical Schematic



* RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

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

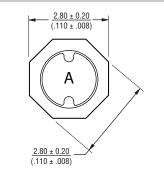
Recommended Layout

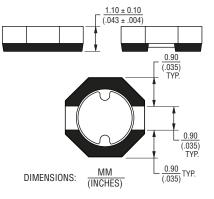


General Specifications

Materials

Product Dimensions

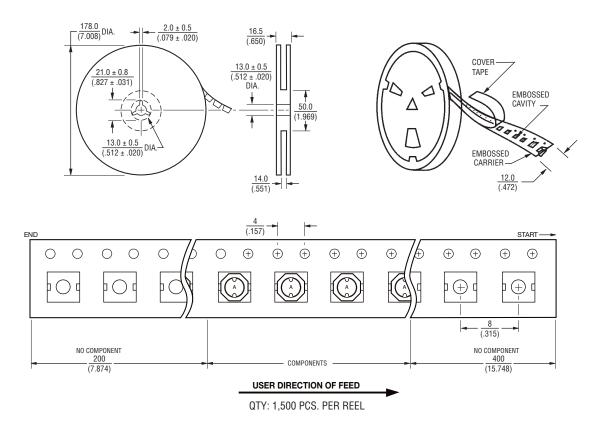






WARNING Cancer and Reproductive Harm www.P65Warnings.ca.gov

Packaging Specifications



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

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