imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832 Email & Skype: info@chipsmall.com Web: www.chipsmall.com Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





Features

- Maximum height of 1.8 mm
- Current up to 2.2 A
- RoHS compliant*

Applications

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

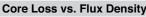
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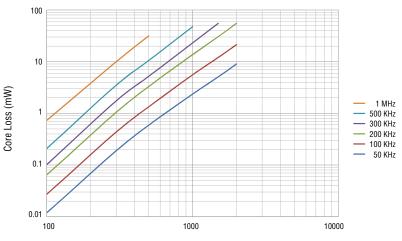
SRU2016 Series - Shielded SMD Power Inductors

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. (А)	Marking	**K- Factor
SRU2016-1R0Y	1.0	±30	8	7.96	250	60	2.20	1.60	А	2170
SRU2016-2R2Y	2.2	±30	8	7.96	120	105	1.60	1.00	С	1485
SRU2016-3R0Y	3.0	±30	8	7.96	90	135	1.50	0.87	E	1227
SRU2016-4R7Y	4.7	±30	8	7.96	80	215	1.15	0.74	F	973
SRU2016-6R0Y	6.0	±30	9	7.96	70	250	0.90	0.63	G	855
SRU2016-100Y	10	±30	9	2.52	45	430	0.87	0.52	Н	627
SRU2016-150Y	15	±30	10	2.52	40	650	0.60	0.40	1	514
SRU2016-220Y	22	±30	12	2.52	30	990	0.43	0.37	J	448
SRU2016-330Y	33	±30	12	2.52	20	1470	0.41	0.29	К	376
SRU2016-470Y	47	±30	15	2.52	20	1650	0.31	0.22	L	303
SRU2016-680Y	68	±30	18	2.52	15	3510	0.22	0.17	М	233
SRU2016-101Y	100	±30	8	2.52	10	4900	0.19	0.15	N	209

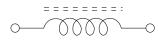
**K-Factor: To calculate core flux density, Bp-p (gauss) = K x L(μH) x Δ I (peak-to-peak ripple current, A), determine core loss from *Core Loss vs. Flux Density* plot.

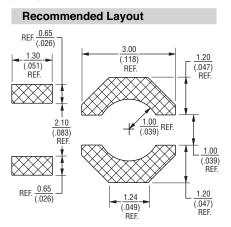




Flux Density Bp-p (gauss)

Electrical Schematic





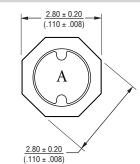
General Specifications

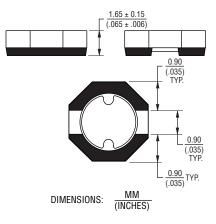
•
Test Voltage0.1 V Reflow Soldering 230 °C, 50 sec. max. Operating Temperature
40 °C to +125 °C (Temperature rise included)
Storage Temperature 40 °C to +125 °C Resistance to Soldering Heat
Materials
CoreFerrite DR and RI core WireEnameled copper

Terminal.....Ag/Ni/Sn Rated Current

.....Ind. drop 35 % typ. at Isat Temperature Rise

Product Dimensions



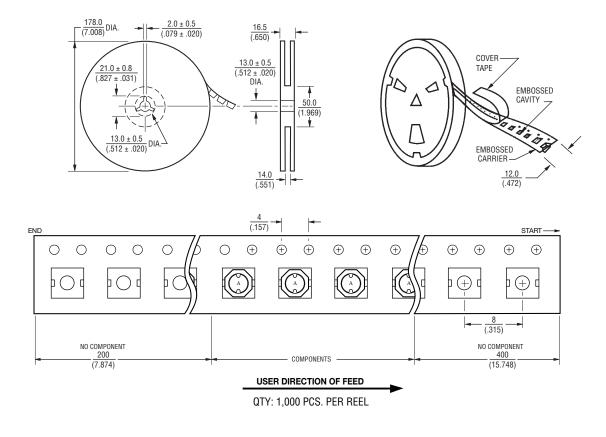


* RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011. Specifications are subject to change without notice. The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Users should verify actual device performance in their specific applications.

SRU2016 Series - Shielded SMD Power Inductors

BOURNS

Packaging Specifications



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

REV. 11/13

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