



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!



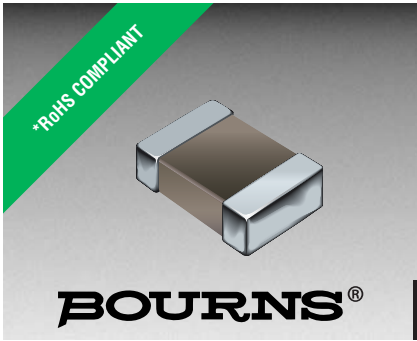
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Features

- 1210 size
- Magnetic shielding
- High Q characteristics
- High current
- Lead free



The CF322513 Series is currently available, although not recommended for new designs. [Model CM322522](#) is preferred.

Applications

- Prevention of electromagnetic interference to signals on the secondary side of electronic equipment

BOURNS®

CF322513 Series - Ferrite Multi-Layer High Current Chip Inductors

Electrical Specifications

Bourns Part No.	Inductance		Q	Test Freq.	SRF MHz	DCR	I rms
	μH	Tol. %					
CF322513-R12K	0.12	±10	30	25.2	500	0.22	450
CF322513-R15K	0.15	±10	30	25.2	450	0.25	450
CF322513-R18K	0.18	±10	30	25.2	400	0.28	450
CF322513-R22K	0.22	±10	30	25.2	350	0.32	450
CF322513-R27K	0.27	±10	30	25.2	320	0.36	450
CF322513-R33K	0.33	±10	30	25.2	300	0.40	450
CF322513-R39K	0.39	±10	30	25.2	250	0.45	450
CF322513-R47K	0.47	±10	30	25.2	220	0.50	450
CF322513-R56K	0.56	±10	30	25.2	180	0.55	450
CF322513-R68K	0.68	±10	30	25.2	160	0.60	450
CF322513-R82K	0.82	±10	30	25.2	140	0.65	450
CF322513-1R0K	1.0	±10	30	7.96	120	0.70	400
CF322513-1R2K	1.2	±10	30	7.96	100	0.75	390
CF322513-1R5K	1.5	±10	30	7.96	85	0.85	370
CF322513-1R8K	1.8	±10	30	7.96	80	0.90	350
CF322513-2R2K	2.2	±10	30	7.96	75	1.00	320
CF322513-2R7K	2.7	±10	30	7.96	70	1.10	290
CF322513-3R3K	3.3	±10	30	7.96	60	1.20	260
CF322513-3R9K	3.9	±10	30	7.96	55	1.30	250
CF322513-4R7K	4.7	±10	30	7.96	50	1.50	220
CF322513-5R6K	5.6	±10	30	7.96	47	1.60	200
CF322513-6R8K	6.8	±10	30	7.96	43	1.80	180
CF322513-8R2K	8.2	±10	30	7.96	40	2.00	170
CF322513-100K	10.0	±10	30	2.52	36	2.10	150
CF322513-120K	12.0	±10	30	2.52	33	2.50	140
CF322513-150K	15.0	±10	30	2.52	30	2.80	130
CF322513-180K	18.0	±10	30	2.52	27	3.30	120
CF322513-220K	22.0	±10	30	2.52	25	3.70	110
CF322513-270K	27.0	±10	30	2.52	20	5.00	80
CF322513-330K	33.0	±10	30	2.52	17	5.60	70

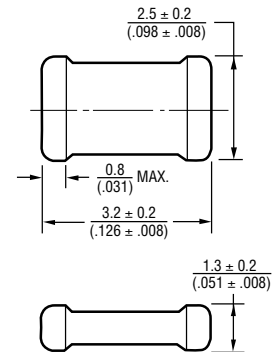
General Specifications

Temperature Rise40 °C max. at rated current
 Operating Temperature-55 °C to +125 °C
 Storage Temperature...-55 °C to +125 °C
 Reflow Soldering ...230 °C, 50 sec. max.
 Resistance to Soldering Heat260 °C, 5 seconds

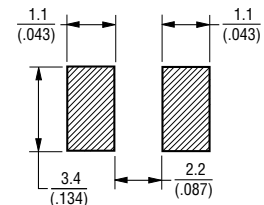
Materials

Base MaterialFerrite
 TerminalPd/Pt/Ag/Ni/Sn
 Packaging.....2,500 pcs. per reel

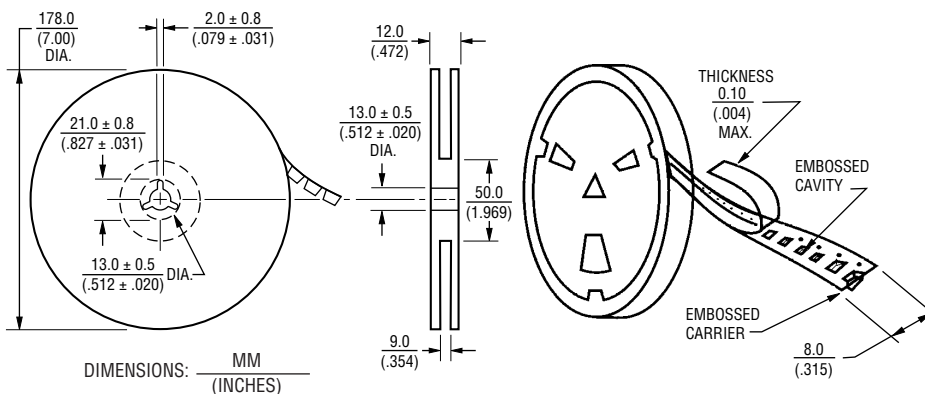
Product Dimensions



Recommended Layout



Packaging Specifications



REV. 11/09

*RoHS Directive 2002/95/EC Jan 27 2003 including Annex Specifications are subject to change without notice. Customers should verify actual device performance in their specific applications.