



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!



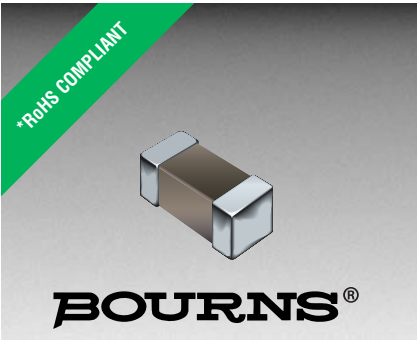
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Features

- 0603 size
- Magnetic shielding
- High Q characteristics
- Nickel barrier
- RoHS compliant*

Applications

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

CS160808 Series - Ferrite Multi-Layer Chip Inductors

Electrical Specifications

Bourns Part No.	Inductance		Q	Test Freq.	SRF MHz		DCR	I rms
	μH	Tol. %			L,Q MHz	min.		
CS160808-47NK	0.047	±10	45	50	260	320	150	200
CS160808-68NK	0.068	±10	45	50	250	290	200	200
CS160808-82NK	0.082	±10	45	50	245	280	250	200
CS160808-R10K	0.10	±10	30	25	240	270	250	200
CS160808-R12K	0.12	±10	30	25	205	260	300	200
CS160808-R15K	0.15	±10	30	25	180	250	350	200
CS160808-R18K	0.18	±10	30	25	165	220	400	200
CS160808-R22K	0.22	±10	30	25	150	200	400	200
CS160808-R27K	0.27	±10	30	25	136	190	500	200
CS160808-R33K	0.33	±10	30	25	125	180	550	150
CS160808-R39K	0.39	±10	30	25	110	170	600	150
CS160808-R47K	0.47	±10	30	25	105	160	700	150
CS160808-R56K	0.56	±10	30	25	95	150	900	150
CS160808-R68K	0.68	±10	30	25	80	140	900	150
CS160808-R82K	0.82	±10	30	25	75	130	1400	100
CS160808-1R0K	1.0	±10	50	10	70	95	500	100
CS160808-1R2K	1.2	±10	50	10	60	80	600	100
CS160808-1R5K	1.5	±10	50	10	55	70	650	50
CS160808-1R8K	1.8	±10	50	10	50	70	750	50
CS160808-2R2K	2.2	±10	50	10	45	60	900	50
CS160808-2R7K	2.7	±10	50	10	40	55	1000	50

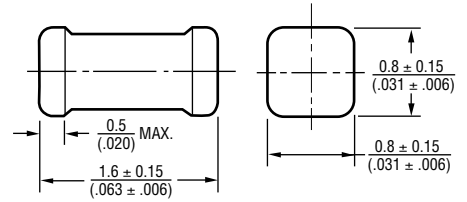
General Specifications

Temperature Rise20 °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, 10 seconds

Materials

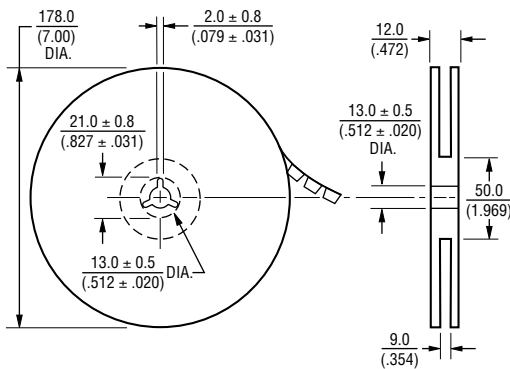
Base MaterialFerrite
 TerminalAg/Ni/Sn
 Packaging4,000 pcs. per reel

Product Dimensions

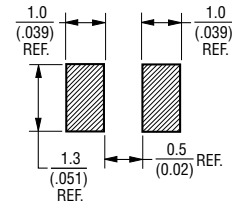


DIMENSIONS: $\frac{\text{MM}}{\text{(INCHES)}}$

Packaging Specifications



Recommended Layout

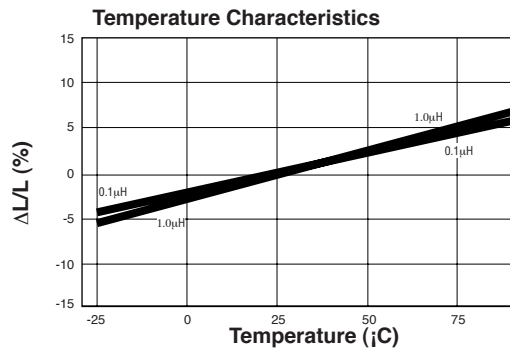
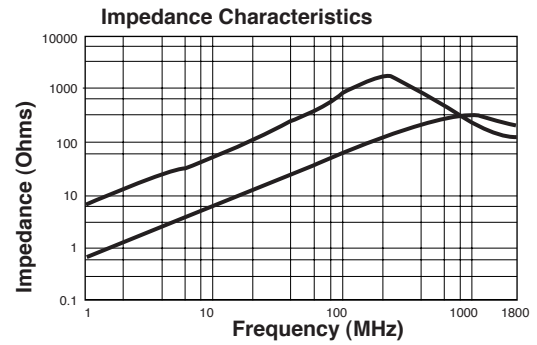
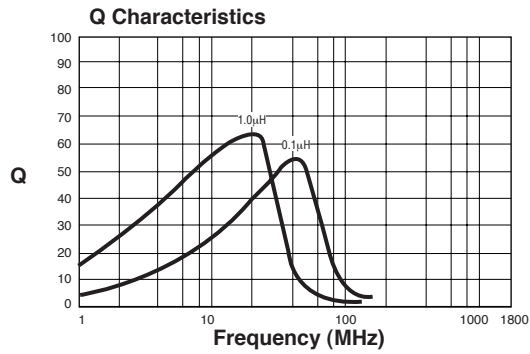
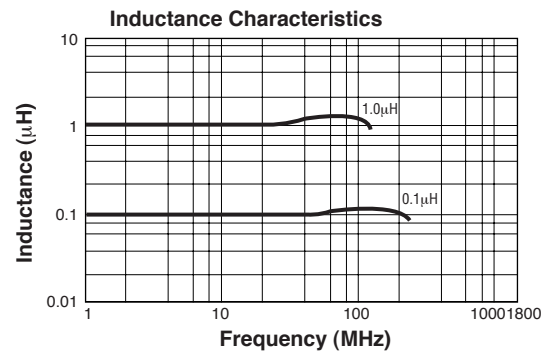
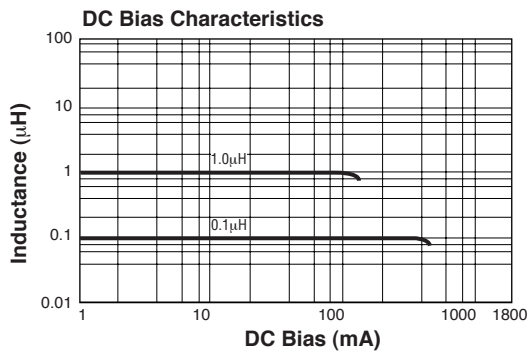


*RoHS Directive 2002/95/EC Jan 27, 2003 including Annex.
 Specifications are subject to change without notice.
 Customers should verify actual device performance in their specific applications.

CS160808 Series - Ferrite Multi-Layer Chip Inductors



Electrical Specifications



REV. 05/11

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