

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. %	typ.	L,Q MHz	min.	typ.	mΩ max.	mA max.
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

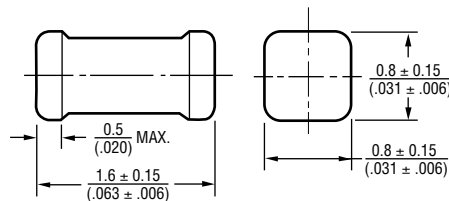
General Specifications

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

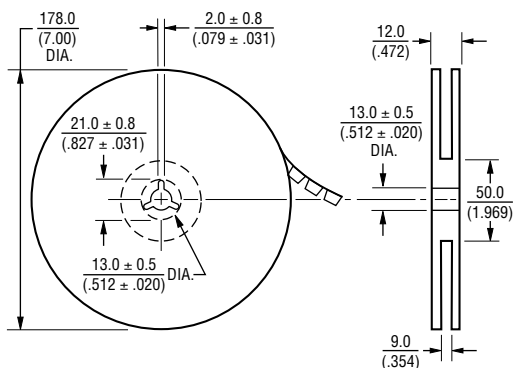
Base MaterialFerrite
 TerminalAg/Ni/Sn
 Packaging4,000 pcs. per reel

Product Dimensions

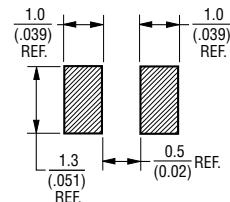


DIMENSIONS: $\frac{\text{MM}}{\text{(INCHES)}}$

Packaging Specifications



Recommended Layout



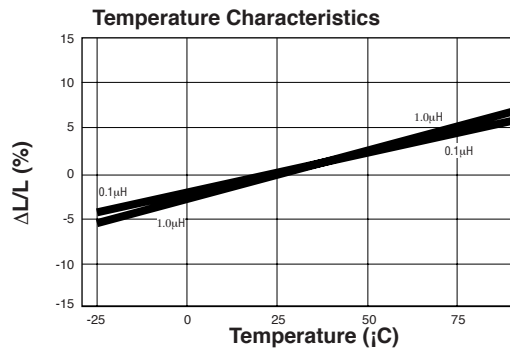
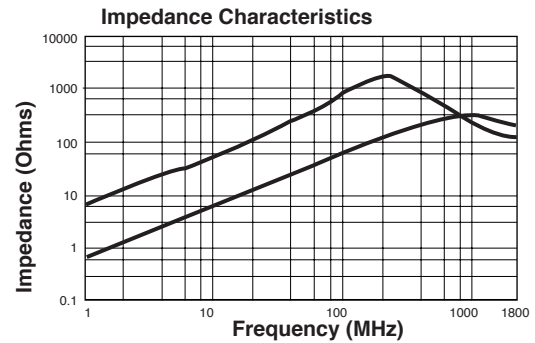
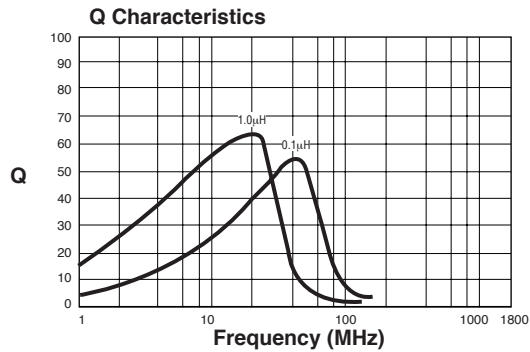
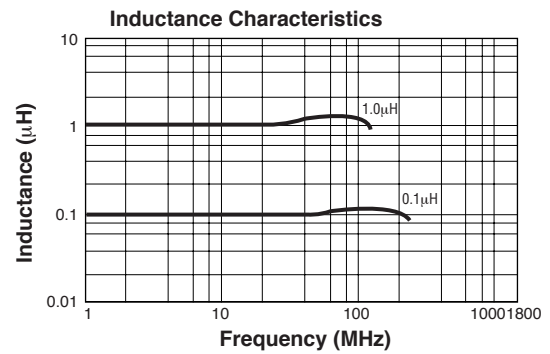
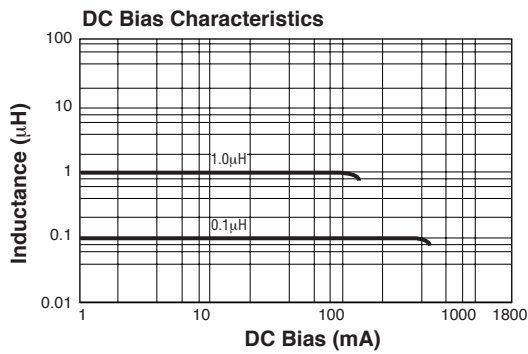
WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

*RoHS Directive 2002/95/EC Jan 27, 2003 including Annex.
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CS160808 Series - Ferrite Multi-Layer Chip Inductors

BOURNS®

Electrical Specifications



REV. 05/11

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