

BOURNS High Q and Multi Layer Chip Inductors

RoHS Compliant This product is RoHS compliant.

HIGH Q CHIP INDUCTORS



	.50 (.020) Ref.	.40 (.016) Ref.	.70 (.028) Ref.	1.20 Ref.	1.02 (.040) Ref.	1.78 (.070) Ref.	1.02 (.040) Ref.	1.27 (.050) Ref.	2.60 (.102) Ref.
	0402 0603 0805 1008								
Case Size	Dimensions: mm (in.)								
	L			W			H		
0402	1.00 ±0.10 (.039 ±0.004)			0.55 ±0.10 (.022 ±0.004)			0.5 ±0.10 (.020 ±0.004)		
0603	1.65 ±0.15 (.065 ±0.008)			1.05 ±0.20 (.041 ±0.008)			1.0 ±0.20 (.040 ±0.008)		
0805	2.1 ±0.20 (.083 ±0.008)			1.5 ±0.20 (.059 ±0.008)			1.3 ±0.20 (.051 ±0.008)		
1008	2.75 ±0.20 (.079 ±0.008)			2.6 ±0.20 (.102 ±0.008)			2.0 ±0.20 (.079 ±0.008)		

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Inductance		Q	Test Freq.	SFRF	Price Each			Reel Price Each
Mfr.	Mfr. Part No.	nH	Tol. ±	(min.)	MHz	MHz (min.)	1	100	500	10000
CW100505 Series 0402 Size										
652	CW100505-1N0D	1.0	0.3nH	13	250	6000	.41	.27	.24	.20
652	CW100505-2N2D	2.2	0.3nH	18	250	6000	.41	.27	.24	.20
652	CW100505-2N7D	2.7	0.3nH	16	250	6000	.41	.27	.24	.20
652	CW100505-3N3J	3.3	5%	20	250	6000	.41	.27	.24	.20
652	CW100505-5N9J	3.9	5%	20	250	5800	.41	.27	.24	.20
652	CW100505-4N7J	4.7	5%	15	250	4775	.41	.27	.24	.20
652	CW100505-5N6J	5.6	5%	23	250	5800	.41	.27	.24	.20
652	CW100505-6N8J	6.8	5%	20	250	4800	.41	.27	.24	.20
652	CW100505-8N2J	8.2	5%	25	250	4400	.41	.27	.24	.20
652	CW100505-10NJ	10	5%	23	250	3900	.41	.27	.24	.20
652	CW100505-12NJ	12	5%	26	250	3600	.41	.27	.24	.20
652	CW100505-15NJ	15	5%	26	250	3280	.41	.27	.24	.20
652	CW100505-18NJ	18	5%	25	250	3100	.41	.27	.24	.20
652	CW100505-22NJ	22	5%	25	250	2800	.41	.27	.24	.20
652	CW100505-27NJ	27	5%	26	250	2480	.41	.27	.24	.20
652	CW100505-33NJ	33	5%	24	250	2350	.41	.27	.24	.20
652	CW100505-39NJ	39	5%	25	250	2100	.41	.27	.24	.20
652	CW100505-47NJ	47	5%	26	200	2100	.41	.27	.24	.20
652	CW100505-56NJ	56	5%	22	200	1760	.41	.27	.24	.20
652	CW100505-68NJ	68	5%	22	200	1620	.41	.27	.24	.20
652	CW100505-82NJ	82	5%	20	150	1500	.41	.27	.24	.20
652	CW100505-R10J	100	5%	20	150	1300	.41	.27	.24	.20
652	CW100505-R12J	120	5%	20	150	1100	.41	.27	.24	.20
CW160808 Series 0603 Size										
652	CW160808-4N7K	4.7	10%	16	250	5800	.27	.14	.13	.115
652	CW160808-6N8J	6.8	5%	25	250	5800	.27	.14	.13	.085
652	CW160808-10NJ	10	5%	30	250	4800	.27	.14	.13	.115
652	CW160808-15NJ	15	5%	30	250	4000	.27	.14	.11	.085
652	CW160808-22NJ	22	5%	35	250	3000	.27	.143	.12	.085
652	CW160808-33NJ	33	5%	35	250	2300	.27	.14	.13	.115
652	CW160808-47NJ	47	5%	35	200	2100	.27	.14	.13	.115
652	CW160808-68NJ	68	5%	35	200	1700	.27	.14	.13	.085
652	CW160808-R10J	100	5%	34	150	1400	.19	.13	.13	.085
652	CW160808-R15J	150	5%	28	150	1300	.27	.14	.11	.085
652	CW160808-R22J	220	5%	25	100	990	.27	.14	.13	.115
652	CW160808-R27J	270	5%	25	100	990	.27	.165	.138	.085
CW201212 Series 0805 Size										
652	CW201212-2N2J	2.2	5%	50	250	6000	.24	.164	.137	.087
652	CW201212-4N7J	4.7	5%	60	250	5800	.28	.191	.169	.12
652	CW201212-10NJ	10	5%	60	250	4800	.28	.191	.169	.12
652	CW201212-15NJ	15	5%	60	250	3600	.28	.191	.169	.12
652	CW201212-22NJ	22	5%	60	250	3300	.28	.191	.169	.12
652	CW201212-33NJ	33	5%	60	250	2400	.23	.153	.128	.087
652	CW201212-47NJ	47	5%	60	200	1700	.28	.191	.169	.12
652	CW201212-68NJ	68	5%	60	200	1450	.28	.191	.169	.12
652	CW201212-R10J	100	5%	60	150	1200	.28	.191	.169	.12
652	CW201212-R15J	150	5%	50	100	950	.28	.191	.169	.107
652	CW201212-R22J	220	5%	50	100	860	.25	.173	.144	.087
652	CW201212-R33J	330	5%	45	100	800	.25	.173	.144	.087
652	CW201212-R47J	470	5%	33	250	375	.28	.191	.169	.107
CW252016 Series 1008 Size										
652	CW252016-10NK	10	10%	50	100	4100	.21	.146	.122	.114
652	CW252016-15NK	15	10%	40	100	2500	.24	.163	.15	.114
652	CW252016-22NK	22	10%	55	100	2400	.24	.16	.15	.114
652	CW252016-33NK	33	10%	60	100	1600	.24	.16	.15	.114
652	CW252016-47NK	47	10%	60	100	1500	.24	.16	.15	.114
652	CW252016-68NJ	68	5%	60	100	1300	.24	.16	.15	.114
652	CW252016-R10J	100	5%	60	100	1000	.24	.16	.15	.114
652	CW252016-R15J	150	5%	45	25	850	.24	.16	.15	.114
652	CW252016-R22J	220	5%	45	25	700	.24	.163	.15	.114
652	CW252016-R33J	330	5%	45	25	570	.24	.16	.15	.114
652	CW252016-R47J	470	5%	45	25	450	.24	.16	.15	.114
652	CW252016-R68J	680	5%	45	25	375	.24	.16	.15	.114
652	CW252016-R10J	1000	5%	25	25	290	.24	.163	.15	.114
652	CW252016-R15J	1500	5%	25	7.9	200	.24	.16	.15	.114
652	CW252016-2R2J	2200	5%	25	7.9	160	.24	.16	.15	.114

MULTI-LAYER CHIP INDUCTORS

	.50 (.020) Ref.	1.00 (.039) Ref.	1.20 (.047) Ref.
	0402 0603 0805		
Case Size	Dimensions: mm (in.)		
	L	W	H
CI100505	1.0 ±0.05 (.039 ±0.002)	0.5 ±0.05 (.020 ±0.002)	0.5 ±0.05 (.020 ±0.002)
CI160808	2.0 ±0.20 (.079 ±0.008)	1.0 ±0.20 (.039 ±0.008)	* A ±0.20 (A ±0.008)
CE201210	2.0 ±0.20 (.079 ±0.008)	1.25 ±0.20 (.049 ±0.008)	1.0 ±0.20 (.049 ±0.008)

Specifications:

- Operating/Storage Temperature: -55°C to +125°C
- Reflow Soldering: 230°C, 50 sec. max.
- Resistance to Solder Heat: 260°C, 5 sec.

* Model Type:	A Dim.
CE201210-	mm (In.)
1N5D thru 82NJ	0.85 (0.033)
R10J thru R39J	1.00 (0.039)
R47J	1.25 (0.050)

Materials:

- Base Material: Ceramic
- Terminal Electrode: Ag, Ni, Sn



RoHS Compliant

CI100505 Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Inductance		Q	Test Freq.	SFRF	Price Each			Reel Price Ea.
Mfr.	Mfr. Part No.	nH	Tol. ±	(min.)	MHz	MHz (min.)	1	100	500	10000
652	CI100505-1N0D	1.0	0.3nH	8	100	6000	.05	.04	.038	.026
652	CI100505-1N5D	1.5	0.3nH	8	100	6000	.05	.04	.038	.026
652	CI100505-2N2D	2.2	0.3nH	8	100	6000	.05	.04	.038	.026
652	CI100505-3N3D	3.3	0.3nH	8	100	6000	.05	.04	.038	.026
652	CI100505-4N7D	4.7	0.3nH	8	100	4000	.05	.04	.038	.026
652	CI100505-6N8J	6.8	5%	8	100	3900	.05	.04	.038	.026
652	CI100505-8N2J	8.2	5%	8	100	3600	.05	.04	.038	.026
652	CI100505-10NJ	10	5%	8	100	3200	.05	.04	.038	.026
652	CI100505-15NJ	15	5%	8	100	2300	.05	.04	.038	.026
652	CI100505-22NJ	22	5%	8	100	1900	.05	.04	.038	.026
652	CI100505-33NJ	33	5%	8	100	1300	.05	.04	.038	.026
652	CI100505-47NJ	47	5%	8	100	1000	.05	.04	.038	.026
652	CI100505-68NJ	68	5%	8	100	700	.05	.04	.038	.026
652	CI100505-82NJ	82	5%	8	100	600	.05	.04	.038	.026
652	CI100505-R10J	100	5%	8	100	550	.05	.04	.038	.026

CI160808 Series and CE201210 Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Inductance		Q	Test Freq.	SFRF	Price Each			Reel Price Ea.
Mfr.	Mfr. Part No.	nH	Tol. ±	(min.)	MHz	MHz (min.)	1	100	500	4000
CI160808 Series										
652	CI160808-1N0D	1.0	0.3nH	8	100	4000	.05	.04	.038	.027
652	CI160808-1N5D	1.5	0.3nH	8	100	4000	.05	.04	.038	.027
652	CI160808-2N2D	2.2	0.3nH	8	100	3600	.05	.04	.038	.027
652	CI160808-3N3D	3.3	0.3nH	10	100	3200	.05	.04	.038	.027
652	CI160808-4N7D	4.7	0.3nH	10	100	2800	.05	.04	.038	.027
652	CI160808-6N8J	6.8	5%	10	100	2600	.05	.04	.038	.027
652	CI160808-8N2J</									