

Features:

- Standard chip bead used to suppress lower frequency and lower current signals
- Offers impedance over a broad frequency range
- High current option available up to 6A
- Suitable for flow and reflow soldering
- Available in 8 sizes
- For inductance values outside those listed in the datasheet, contact factory
- Find Frequency Curves, Environmental and Packaging specifications in related supplemental documents



Applications:

- Cellular phones
- I/O ports
- Signal lines
- Bluetooth module
- DC power lines
- RF transceiver modules
- Computer and peripheral products
- Communication appliances

Impedance and Current Ranges

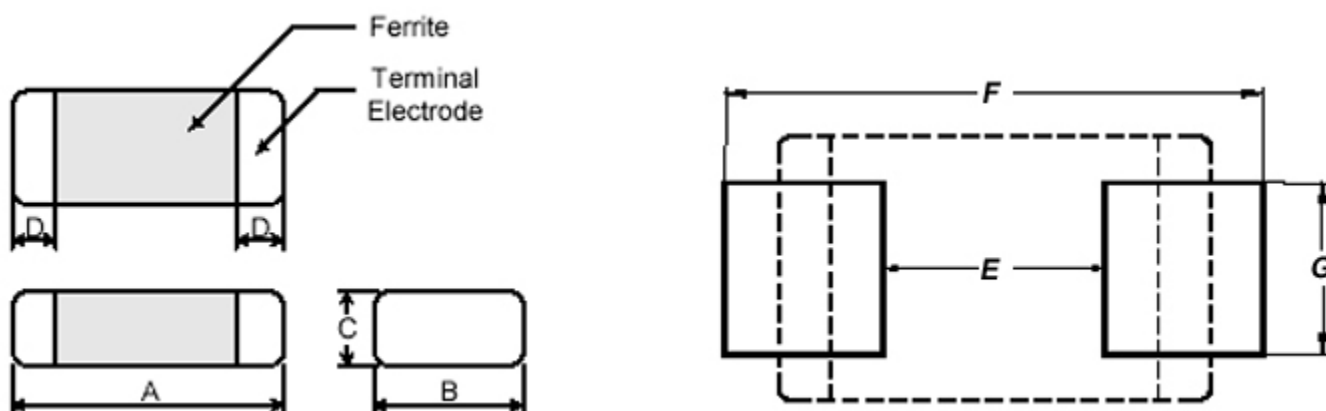
General Purpose and High Q			High Current		
CB02	6 - 600 Ω	500 - 100 mA	CB02	10 Ω	1000 mA
CB03	11 - 2700 Ω	500 - 50 mA	CB03	11 - 1000 Ω	4000 - 800 mA
CB05	7 - 2700 Ω	600 - 100 mA	CB05	11 - 1000 Ω	6000 - 1500 mA
CB04	19 - 2700 Ω	600 - 200 mA	CB04	19 - 1500 Ω	6000 - 800 mA
CB06	25 - 70 Ω	500 mA	-	-	-
CB10	32 - 90 Ω	500 mA	CB10	60 - 90 Ω	4000 - 3000 mA
CB08	50 - 170 Ω	600 - 500 mA	CB08	50 - 150 Ω	6000 - 2000 mA
CB12	70 - 120 Ω	500 mA	CB12	70 - 120 Ω	6000 - 4000 mA

How to Order

1	2	3	4	5	6	7	8	9	10	11	12	13	14			
C	B	0	8	0	5	Y	T	Y	N	1	1	R	0			
Product Series		Code	Size	Tolerance		Code	Description	Size	Quantity	Code	Type	Code	Type	Inductance		Inductance Value
CB	Ferrite Bead	0402	02	Code	Tol	T	Tape & Reel	0402	10,000	Y	ui : 200	H	High	Code	Inductance	
		0603	03	Y	25%			0603, 0805	4,000	Q	ui : 75	N	General	9R00	9 Ohm	Four characters with the multiplier used as the decimal holder.
		0805	05					1204	3,000					11R0	11 Ohm	
		1204	04					1206, 1808	2,000					450R	450 Ohm	
		1206	06					1210	2,500					1K50	1500 Ohm	
		1210	10					1812	1,000							
		1808	08													
		1812	12													

Legacy Part Number (before January 3, 2011):

SEI Type		Dimensions		Tolerance		Packaging		Design Code		Current		Impedance	
CB		05		Y		T		Y		N		110	
Type	Description	Code	EIA	Code	Tolerance	Code	Type	Code	Type	Code	Type	Code	Impedance
CB	Ferrite Bead	02	0402	Y	$\pm 25\%$	T	Tape & Reel	Y	ui : 200	H	High	090	9 Ω
		03	0603					Q	ui : 75	N	General	110	11 Ω
		05	0805									451	450 Ω
		04	1204									152	1500 Ω
		06	1206										
		10	1210										
		08	1808										
		12	1812										



Mechanical Specifications								
Type / Code	A	B	C	D	E	F	G	Unit
CB02	0.039 ± 0.004 1 ± 0.1	0.02 ± 0.004 0.5 ± 0.1	0.02 ± 0.004 0.5 ± 0.1	0.01 ± 0.004 0.25 ± 0.1	0.016 0.4	0.055 1.4	0.016 0.4	inches mm
CB03	0.063 ± 0.008 1.6 ± 0.2	0.032 ± 0.006 0.8 ± 0.15	0.032 ± 0.006 0.8 ± 0.15	0.012 ± 0.008 0.3 ± 0.2	0.032 0.8	0.134 3.4	0.024 0.6	inches mm
CB05	0.079 ± 0.008 2 ± 0.2	0.049 ± 0.008 1.25 ± 0.2	0.035 ± 0.008 0.9 ± 0.2	0.02 ± 0.012 0.5 ± 0.3	0.047 1.2	0.157 4	0.039 1	inches mm
CB04	0.126 ± 0.008 3.2 ± 0.2	0.063 ± 0.008 1.6 ± 0.2	0.043 ± 0.008 1.1 ± 0.2	0.02 ± 0.012 0.5 ± 0.3	0.079 2	0.205 5.2	0.047 1.2	inches mm
CB06	0.126 ± 0.008 3.2 ± 0.2	0.063 ± 0.008 1.6 ± 0.2	0.063 ± 0.008 1.6 ± 0.2	0.02 ± 0.012 0.5 ± 0.3	0.079 2	0.205 5.2	0.047 1.2	inches mm
CB10	0.126 ± 0.008 3.2 ± 0.2	0.098 ± 0.008 2.5 ± 0.2	0.051 ± 0.008 1.3 ± 0.2	0.02 ± 0.012 0.5 ± 0.3	0.079 2	0.256 6.5	0.071 1.8	inches mm
CB08	0.177 ± 0.01 4.5 ± 0.25	0.063 ± 0.008 1.6 ± 0.2	0.063 ± 0.008 1.6 ± 0.2	0.02 ± 0.012 0.5 ± 0.3	0.118 3	0.256 6.5	0.047 1.2	inches mm
CB12	0.177 ± 0.01 4.5 ± 0.25	0.126 ± 0.008 3.2 ± 0.2	0.177 ± 0.008 1.5 ± 0.2	0.02 ± 0.012 0.5 ± 0.3	0.118 3	0.256 6.5	0.94 2.4	inches mm

Electrical Characteristics – CB 02 Standard				
Part Number	Impedance (Ω)	Test Freq (MHz)	DCR (Ω) Max	I DC (mA) Max
CB02YTYN060	6	100	0.050	500
CB02YTYN100	10	100	0.050	500
CB02YTYN400	40	100	0.300	300
CB02YTYN800	80	100	0.400	200
CB02YTYN121	120	100	0.500	200
CB02YTYN241	240	100	0.500	200
CB02YTYN481	480	100	0.800	100
CB02YTYN601	600	100	1.000	100

Electrical Characteristics – CB03 Standard				
Part Number	Impedance (Ω)	Test Freq (MHz)	DCR (Ω) Max	I DC (mA) Max
CB03YTYN110	11	100	0.050	500
CB03YTYN190	19	100	0.080	500
CB03YTYN300	30	100	0.100	400
CB03YTYN400	40	100	0.100	400
CB03YTYN600	60	100	0.100	300
CB03YTYN800	80	100	0.150	300
CB03YTYN121	120	100	0.250	300
CB03YTYN221	220	100	0.300	200
CB03YTYN301	300	100	0.400	200
CB03YTYN451	450	100	0.500	200
CB03YTYN601	600	100	0.500	200
CB03YTYN751	750	100	0.700	200
CB03YTYN102	1000	100	0.700	200
CB03YTYN152	1500	100	1.000	50
CB03YTYN222	2200	100	1.200	50
CB03YTYN272	2700	100	1.300	50

Electrical Characteristics – CB05 Standard				
Part Number	Impedance (Ω)	Test Freq (MHz)	DCR (Ω) Max	I DC (mA) Max
CB05YTYN070	7	100	0.100	600
CB05YTYN090	9	100	0.100	600
CB05YTYN110	11	100	0.100	600
CB05YTYN170	17	100	0.100	600
CB05YTYN320	32	100	0.100	600
CB05YTYN600	60	100	0.150	500
CB05YTYN700	70	100	0.150	500
CB05YTYN800	80	100	0.150	500
CB05YTYN121	120	100	0.250	300
CB05YTYN151	150	100	0.250	300
CB05YTYN221	220	100	0.300	300
CB05YTYN301	300	100	0.300	300
CB05YTYN401	400	100	0.300	300
CB05YTYN501	500	100	0.400	300
CB05YTYN601	600	100	0.400	300
CB05YTYN751	750	100	0.500	200
CB05YTYN102	1000	100	0.500	200
CB05YTYN152	1500	100	0.600	200
CB05YTYN202	2000	100	0.800	100
CB05YTYN222	2200	100	1.000	100
CB05YTYN252	2500	100	1.000	100
CB05YTYN272	2700	100	1.500	100

Electrical Characteristics – CB04 Standard				
Part Number	Impedance (Ω)	Test Freq (MHz)	DCR (Ω) Max	I DC (mA) Max
CB04YTYN190	19	100	0.050	600
CB04YTYN260	26	100	0.050	600
CB04YTYN320	32	100	0.050	600
CB04YTYN500	50	100	0.100	500
CB04YTYN600	60	100	0.100	500
CB04YTYN700	70	100	0.100	500
CB04YTYN900	90	100	0.150	500
CB04YTYN121	120	100	0.150	500
CB04YTYN151	150	100	0.150	500
CB04YTYN201	200	100	0.200	400
CB04YTYN401	400	100	0.200	400
CB04YTYN501	500	100	0.200	400
CB04YTYN601	600	100	0.300	400
CB04YTYN102	1000	50	0.400	200
CB04YTYN122	1200	50	0.400	200
CB04YTYN152	1500	50	0.450	200
CB04YTYN202	2000	30	0.600	200
CB04YTYN272	2700	30	0.600	200

Electrical Characteristics – CB06 Standard				
Part Number	Impedance (Ω)	Test Freq (MHz)	DCR (Ω) Max	I DC (mA) Max
CB06YTYN250	25	100	0.100	500
CB06YTYN600	60	100	0.200	500
CB06YTYN700	70	100	0.200	500

Electrical Characteristics – CB10 Standard				
Part Number	Impedance (Ω)	Test Freq (MHz)	DCR (Ω) Max	I DC (mA) Max
CB10YTYN320	32	100	0.200	500
CB10YTYN600	60	100	0.200	500
CB10YTYN900	90	100	0.200	500

Electrical Characteristics – CB08 Standard				
Part Number	Impedance (Ω)	Test Freq (MHz)	DCR (Ω) Max	I DC (mA) Max
CB08YTYN500	50	100	0.200	600
CB08YTYN600	60	100	0.200	600
CB08YTYN800	80	100	0.200	600
CB08YTYN101	100	100	0.300	500
CB08YTYN151	150	100	0.300	500
CB08YTYN171	170	100	0.300	500

Electrical Characteristics – CB12 Standard				
Part Number	Impedance (Ω)	Test Freq (MHz)	DCR (Ω) Max	I DC (mA) Max
CB12YTYN700	70	100	0.300	500
CB12YTYN121	120	100	0.300	500

Electrical Characteristics – CB03 High Current				
Part Number	Impedance (Ω)	Test Freq (MHz)	DCR (Ω) Max	I DC (mA) Max
CB03YTYH110	11	100	0.020	4000
CB03YTYH250	25	100	0.030	3000
CB03YTYH400	40	100	0.035	3000
CB03YTYH600	60	100	0.040	3000
CB03YTYH121	120	100	0.080	2500
CB03YTYH301	300	100	0.100	2000
CB03YTYH501	500	100	0.150	1500
CB03YTYH601	600	100	0.200	1000
CB03YTYH102	1000	100	0.250	800

Electrical Characteristics – CB05 High Current				
Part Number	Impedance (Ω)	Test Freq (MHz)	DCR (Ω) Max	I DC (mA) Max
CB05YTYH110	11	100	0.010	6000
CB05YTYH170	17	100	0.020	5000
CB05YTYH300	30	100	0.015	5000
CB05YTYH500	50	100	0.025	3000
CB05YTYH600	60	100	0.030	3000
CB05YTYH800	80	100	0.040	3000
CB05YTYH121	120	100	0.040	3000
CB05YTYH201	200	100	0.050	2500
CB05YTYH301	300	100	0.080	2000
CB05YTYH601	600	100	0.100	2000
CB05YTYH102	1000	100	0.120	1500

Electrical Characteristics – CB04 High Current				
Part Number	Impedance (Ω)	Test Freq (MHz)	DCR (Ω) Max	I DC (mA) Max
CB04YTYH190	19	100	0.015	6000
CB04YTYH320	32	100	0.015	4000
CB04YTYH500	50	100	0.020	4000
CB04YTYH800	80	100	0.025	3000
CB04YTYH101	100	100	0.030	2500
CB04YTYH301	300	100	0.060	2000
CB04YTYH601	600	100	0.100	1800
CB04YTYH102	1000	50	0.150	1200
CB04YTYH122	1200	50	0.180	1000
CB04YTYH152	1500	50	0.200	800

Electrical Characteristics – CB10 High Current				
Part Number	Impedance (Ω)	Test Freq (MHz)	DCR (Ω) Max	I DC (mA) Max
CB10YTYH600	60	100	0.025	4000
CB10YTYH900	90	100	0.025	3000

Electrical Characteristics – CB08 High Current				
Part Number	Impedance (Ω)	Test Freq (MHz)	DCR (Ω) Max	I DC (mA) Max
CB08YTYH500	50	100	0.020	6000
CB08YTYH600	60	100	0.020	5000
CB08YTYH800	80	100	0.025	4000
CB08YTYH151	150	100	0.100	2000

Electrical Characteristics – CB12 High Current				
Part Number	Impedance (Ω)	Test Freq (MHz)	DCR (Ω) Max	I DC (mA) Max
CB12YTYH700	70	100	0.030	6000
CB12YTYH121	120	100	0.030	4000

Electrical Characteristics – CB02 High Speed				
Part Number	Impedance (Ω)	Test Freq (MHz)	DCR (Ω) Max	I DC (mA) Max
CB02YTQN060	6	100	0.100	300
CB02YTQN100	10	100	0.200	200
CB02YTQN400	40	100	0.400	150
CB02YTQN800	80	100	0.600	100
CB02YTQN121	120	100	0.800	50

Electrical Characteristics – CB03 High Speed				
Part Number	Impedance (Ω)	Test Freq (MHz)	DCR (Ω) Max	I DC (mA) Max
CB03YTQN060	6	100	0.050	500
CB03YTQN100	10	100	0.070	400
CB03YTQN400	40	100	0.300	300
CB03YTQN600	60	100	0.300	300
CB03YTQN800	80	100	0.400	300
CB03YTQN121	120	100	0.400	300
CB03YTQN241	240	100	0.400	200
CB03YTQN301	300	100	0.500	200
CB03YTQN481	480	100	0.600	150
CB03YTQN601	600	100	0.600	100
CB03YTQN102	1000	100	0.700	100
CB03YTQN122	1200	100	0.700	100
CB03YTQN152	1500	100	0.800	100
CB03YTQN182	1800	100	0.950	100

Electrical Characteristics – CB05 High Speed				
Part Number	Impedance (Ω)	Test Freq (MHz)	DCR (Ω) Max	I DC (mA) Max
CB05YTQN060	6	100	0.070	800
CB05YTQN110	11	100	0.100	700
CB05YTQN260	26	100	0.200	600
CB05YTQN320	32	100	0.200	600
CB05YTQN600	60	100	0.300	500
CB05YTQN750	75	100	0.300	500
CB05YTQN900	90	100	0.300	500
CB05YTQN121	120	100	0.400	400
CB05YTQN151	150	100	0.400	400
CB05YTQN171	170	100	0.500	400
CB05YTQN221	220	100	0.500	300
CB05YTQN301	300	100	0.500	300
CB05YTQN401	400	100	0.500	300
CB05YTQN501	500	100	0.500	200
CB05YTQN601	600	100	0.500	200
CB05YTQN102	1000	100	0.600	100
CB05YTQN122	1200	100	0.700	100
CB05YTQN152	1500	100	0.700	100
CB05YTQN222	2200	100	0.750	100
CB05YTQN272	2700	100	0.850	100

Electrical Characteristics – CB04 High Speed				
Part Number	Impedance (Ω)	Test Freq (MHz)	DCR (Ω) Max	I DC (mA) Max
CB04YTQN320	32	100	0.200	600
CB04YTQN600	60	100	0.300	500
CB04YTQN800	80	100	0.300	500
CB04YTQN900	90	100	0.300	500
CB04YTQN121	120	100	0.400	400
CB04YTQN151	150	100	0.400	400
CB04YTQN201	200	100	0.500	300
CB04YTQN221	220	100	0.500	300
CB04YTQN351	350	100	0.600	300
CB04YTQN401	400	100	0.600	300
CB04YTQN601	600	100	0.800	300
CB04YTQN122	1200	100	1.000	200
CB04YTQN152	1500	100	1.200	150