

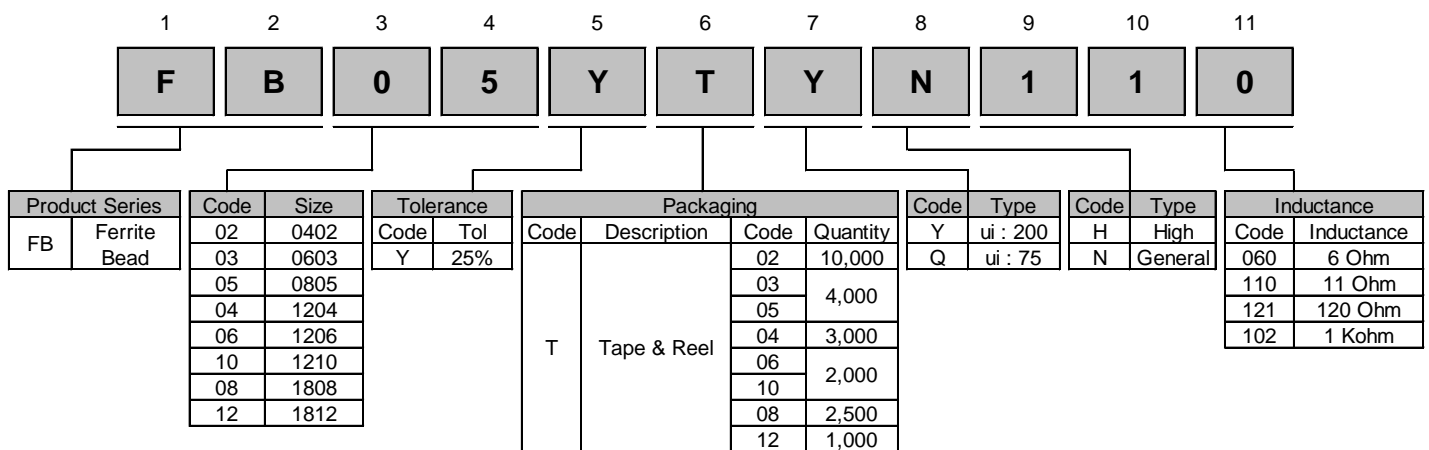
- Features:**
- Standard chip bead used to suppress lower frequency and lower current signals
  - Offers impedance over a broad frequency range
  - High current option available up to 6A
  - Suitable for flow and reflow soldering
  - Available in 8 sizes
  - For inductance values outside those listed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

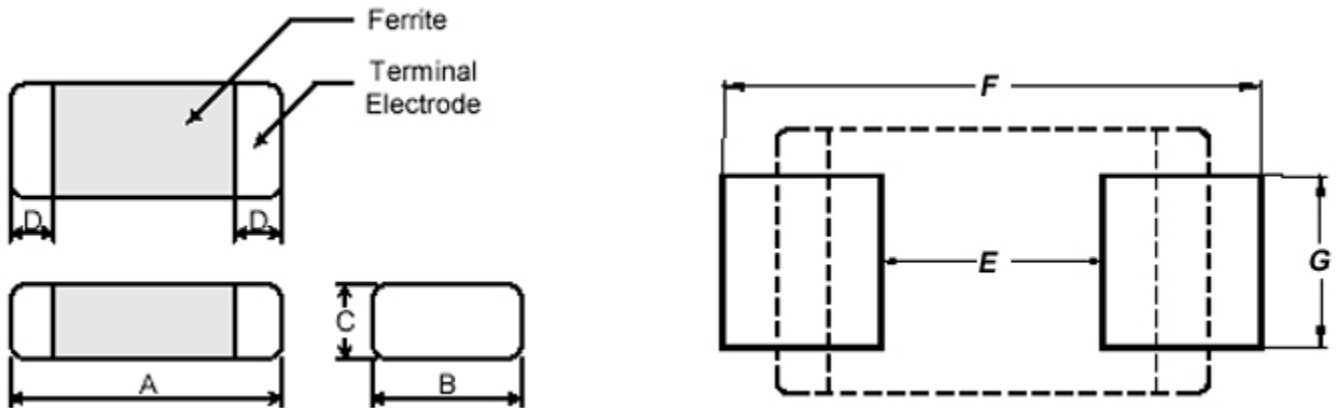


- Applications:**
- Cellular phones
  - I/O ports
  - Signal lines
  - Bluetooth module
  - DC power lines
  - RF transceiver modules
  - Computer and peripheral products
  - Communication appliances

Impedance and Current Ranges					
General Purpose and High Q			High Current		
FB02	6 - 600 Ω	500 - 100 mA	FB02	10 Ω	1000 mA
FB03	7 - 2700 Ω	500 - 50 mA	FB03	11 - 1000 Ω	4000 - 800 mA
FB05	7 - 2700 Ω	600 - 100 mA	FB05	11 - 1000 Ω	6000 - 1500 mA
FB04	19 - 2700 Ω	600 - 200 mA	FB04	19 - 1500 Ω	6000 - 800 mA
FB06	25 - 70 Ω	500 mA	-	-	-
FB10	32 - 90 Ω	500 mA	FB10	60 - 90 Ω	4000 - 3000 mA
FB08	50 - 170 Ω	600 - 500 mA	FB08	50 - 150 Ω	6000 - 2000 mA
FB12	70 - 120 Ω	500 mA	FB12	70 - 120 Ω	6000 - 4000 mA

### How to Order





Mechanical Specifications								
Type / Code	A	B	C	D	E	F	G	Unit
FB02	0.039 ± 0.004	0.020 ± 0.004	0.020 ± 0.004	0.010 ± 0.004	0.016	0.055	0.016	inches
	1.00 ± 0.10	0.50 ± 0.10	0.50 ± 0.10	0.25 ± 0.10	0.40	1.40	0.40	mm
FB03	0.063 ± 0.008	0.031 ± 0.006	0.031 ± 0.006	0.012 ± 0.008	0.031	0.134	0.024	inches
	1.60 ± 0.20	0.80 ± 0.15	0.80 ± 0.15	0.30 ± 0.20	0.80	3.40	0.60	mm
FB05	0.079 ± 0.008	0.049 ± 0.008	0.035 ± 0.008	0.020 ± 0.012	0.047	0.157	0.039	inches
	2.00 ± 0.20	1.25 ± 0.20	0.90 ± 0.20	0.50 ± 0.30	1.20	4.00	1.00	mm
FB04	0.126 ± 0.008	0.063 ± 0.008	0.043 ± 0.008	0.020 ± 0.012	0.079	0.205	0.047	inches
	3.20 ± 0.20	1.60 ± 0.20	1.10 ± 0.20	0.50 ± 0.30	2.00	5.20	1.20	mm
FB06	0.126 ± 0.008	0.063 ± 0.008	0.063 ± 0.008	0.020 ± 0.012	0.079	0.205	0.047	inches
	3.20 ± 0.20	1.60 ± 0.20	1.60 ± 0.20	0.50 ± 0.30	2.00	5.20	1.20	mm
FB10	0.126 ± 0.008	0.098 ± 0.008	0.051 ± 0.008	0.020 ± 0.012	0.079	0.256	0.071	inches
	3.20 ± 0.20	2.50 ± 0.20	1.30 ± 0.20	0.50 ± 0.30	2.00	6.50	1.80	mm
FB08	0.177 ± 0.010	0.063 ± 0.008	0.063 ± 0.008	0.020 ± 0.012	0.118	0.256	0.047	inches
	4.50 ± 0.25	1.60 ± 0.20	1.60 ± 0.20	0.50 ± 0.30	3.00	6.50	1.20	mm
FB12	0.177 ± 0.010	0.126 ± 0.008	0.059 ± 0.008	0.020 ± 0.012	0.118	0.256	0.094	inches
	4.50 ± 0.25	3.20 ± 0.20	1.50 ± 0.20	0.50 ± 0.30	3.00	6.50	2.40	mm

Electrical Specifications – FB02 Standard				
Part Number	Impedance (Ω)	Test Freq (MHz)	DCR (Ω) Max	I DC (mA) Max
FB02YTYN060	6	100	0.050	500
FB02YTYN100	10	100	0.050	500
FB02YTYN400	40	100	0.300	300
FB02YTYN800	80	100	0.400	200
FB02YTYN121	120	100	0.500	200
FB02YTYN241	240	100	0.500	200
FB02YTYN481	480	100	0.800	100
FB02YTYN601	600	100	1.000	100

Electrical Specifications – FB03 Standard				
Part Number	Impedance ( $\Omega$ )	Test Freq (MHz)	DCR ( $\Omega$ ) Max	I DC (mA) Max
FB03YTYN070	7	100	0.050	500
FB03YTYN110	11	100	0.050	500
FB03YTYN190	19	100	0.080	500
FB03YTYN300	30	100	0.100	400
FB03YTYN400	40	100	0.100	400
FB03YTYN600	60	100	0.100	300
FB03YTYN800	80	100	0.150	300
FB03YTYN121	120	100	0.250	300
FB03YTYN221	220	100	0.300	200
FB03YTYN301	300	100	0.400	200
FB03YTYN451	450	100	0.500	200
FB03YTYN601	600	100	0.500	200
FB03YTYN751	750	100	0.700	200
FB03YTYN102	1000	100	0.700	200
FB03YTYN152	1500	100	1.000	50
FB03YTYN222	2200	100	1.200	50
FB03YTYN272	2700	100	1.300	50

Electrical Specifications – FB05 Standard				
Part Number	Impedance ( $\Omega$ )	Test Freq (MHz)	DCR ( $\Omega$ ) Max	I DC (mA) Max
FB05YTYN070	7	100	0.100	600
FB05YTYN090	9	100	0.100	600
FB05YTYN110	11	100	0.100	600
FB05YTYN170	17	100	0.100	600
FB05YTYN320	32	100	0.100	600
FB05YTYN600	60	100	0.150	500
FB05YTYN700	70	100	0.150	500
FB05YTYN800	80	100	0.150	500
FB05YTYN121	120	100	0.250	300
FB05YTYN151	150	100	0.250	300
FB05YTYN221	220	100	0.300	300
FB05YTYN301	300	100	0.300	300
FB05YTYN401	400	100	0.300	300
FB05YTYN501	500	100	0.400	300
FB05YTYN601	600	100	0.400	300
FB05YTYN751	750	100	0.500	200
FB05YTYN102	1000	100	0.500	200
FB05YTYN152	1500	100	0.600	200
FB05YTYN202	2000	100	0.800	100
FB05YTYN222	2200	100	1.000	100
FB05YTYN252	2500	100	1.000	100
FB05YTYN272	2700	100	1.500	100

Electrical Specifications – FB04 Standard				
Part Number	Impedance (Ω)	Test Freq (MHz)	DCR (Ω) Max	I DC (mA) Max
FB04YTYN190	19	100	0.050	600
FB04YTYN260	26	100	0.050	600
FB04YTYN320	32	100	0.050	600
FB04YTYN500	50	100	0.100	500
FB04YTYN600	60	100	0.100	500
FB04YTYN700	70	100	0.100	500
FB04YTYN900	90	100	0.150	500
FB04YTYN121	120	100	0.150	500
FB04YTYN151	150	100	0.150	500
FB04YTYN201	200	100	0.200	400
FB04YTYN401	400	100	0.200	400
FB04YTYN501	500	100	0.200	400
FB04YTYN601	600	100	0.300	400
FB04YTYN102	1000	50	0.400	200
FB04YTYN122	1200	50	0.400	200
FB04YTYN152	1500	50	0.450	200
FB04YTYN202	2000	30	0.600	200
FB04YTYN272	2700	30	0.600	200

Electrical Specifications – FB06 Standard				
Part Number	Impedance (Ω)	Test Freq (MHz)	DCR (Ω) Max	I DC (mA) Max
FB06YTYN250	25	100	0.100	500
FB06YTYN600	60	100	0.200	500
FB06YTYN700	70	100	0.200	500

Electrical Specifications – FB10 Standard				
Part Number	Impedance (Ω)	Test Freq (MHz)	DCR (Ω) Max	I DC (mA) Max
FB10YTYN320	32	100	0.200	500
FB10YTYN600	60	100	0.200	500
FB10YTYN900	90	100	0.200	500

Electrical Specifications – FB08 Standard				
Part Number	Impedance (Ω)	Test Freq (MHz)	DCR (Ω) Max	I DC (mA) Max
FB08YTYN500	50	100	0.200	600
FB08YTYN600	60	100	0.200	600
FB08YTYN800	80	100	0.200	600
FB08YTYN101	100	100	0.300	500
FB08YTYN151	150	100	0.300	500
FB08YTYN171	170	100	0.300	500

Electrical Specifications – FB12 Standard				
Part Number	Impedance (Ω)	Test Freq (MHz)	DCR (Ω) Max	I DC (mA) Max
FB12YTYN700	70	100	0.300	500
FB12YTYN121	120	100	0.300	500

Electrical Specifications – FB03 High Current				
Part Number	Impedance (Ω)	Test Freq (MHz)	DCR (Ω) Max	I DC (mA) Max
FB03YTYH110	11	100	0.020	4000
FB03YTYH250	25	100	0.030	3000
FB03YTYH400	40	100	0.035	3000
FB03YTYH600	60	100	0.040	3000
FB03YTYH121	120	100	0.080	2500
FB03YTYH301	300	100	0.100	2000
FB03YTYH501	500	100	0.150	1500
FB03YTYH601	600	100	0.200	1000
FB03YTYH102	1000	100	0.250	800

Electrical Specifications – FB05 High Current				
Part Number	Impedance (Ω)	Test Freq (MHz)	DCR (Ω) Max	I DC (mA) Max
FB05YTYH110	11	100	0.010	6000
FB05YTYH170	17	100	0.020	5000
FB05YTYH300	30	100	0.015	5000
FB05YTYH500	50	100	0.025	3000
FB05YTYH600	60	100	0.030	3000
FB05YTYH800	80	100	0.040	3000
FB05YTYH121	120	100	0.040	3000
FB05YTYH201	200	100	0.050	2500
FB05YTYH301	300	100	0.080	2000
FB05YTYH601	600	100	0.100	2000
FB05YTYH102	1000	100	0.120	1500

Electrical Specifications – FB04 High Current				
Part Number	Impedance (Ω)	Test Freq (MHz)	DCR (Ω) Max	I DC (mA) Max
FB04YTYH190	19	100	0.015	6000
FB04YTYH320	32	100	0.015	4000
FB04YTYH500	50	100	0.020	4000
FB04YTYH800	80	100	0.025	3000
FB04YTYH101	100	100	0.030	2500
FB04YTYH301	300	100	0.060	2000
FB04YTYH601	600	100	0.100	1800
FB04YTYH102	1000	50	0.150	1200
FB04YTYH122	1200	50	0.180	1000
FB04YTYH152	1500	50	0.200	800

Electrical Specifications – FB10 High Current				
Part Number	Impedance (Ω)	Test Freq (MHz)	DCR (Ω) Max	I DC (mA) Max
FB10YTYH600	60	100	0.025	4000
FB10YTYH900	90	100	0.025	3000

Electrical Specifications – FB08 High Current				
Part Number	Impedance (Ω)	Test Freq (MHz)	DCR (Ω) Max	I DC (mA) Max
FB08YTYH500	50	100	0.020	6000
FB08YTYH600	60	100	0.020	5000
FB08YTYH800	80	100	0.025	4000
FB08YTYH151	150	100	0.100	2000

Electrical Specifications – FB12 High Current				
Part Number	Impedance (Ω)	Test Freq (MHz)	DCR (Ω) Max	I DC (mA) Max
FB12YTYH700	70	100	0.030	6000
FB12YTYH121	120	100	0.030	4000

Electrical Specifications – FB02 High Speed				
Part Number	Impedance (Ω)	Test Freq (MHz)	DCR (Ω) Max	I DC (mA) Max
FB02YTQN060	6	100	0.100	300
FB02YTQN100	10	100	0.200	200
FB02YTQN400	40	100	0.400	150
FB02YTQN800	80	100	0.600	100
FB02YTQN121	120	100	0.800	50

Electrical Specifications – FB03 High Speed				
Part Number	Impedance (Ω)	Test Freq (MHz)	DCR (Ω) Max	I DC (mA) Max
FB03YTQN060	6	100	0.050	500
FB03YTQN100	10	100	0.070	400
FB03YTQN400	40	100	0.300	300
FB03YTQN600	60	100	0.300	300
FB03YTQN800	80	100	0.400	300
FB03YTQN121	120	100	0.400	300
FB03YTQN241	240	100	0.400	200
FB03YTQN301	300	100	0.500	200
FB03YTQN481	480	100	0.600	150
FB03YTQN601	600	100	0.600	100
FB03YTQN102	1000	100	0.700	100
FB03YTQN122	1200	100	0.700	100
FB03YTQN152	1500	100	0.800	100
FB03YTQN182	1800	100	0.950	100

**Electrical Specifications – FB05 High Speed**

Part Number	Impedance ( $\Omega$ )	Test Freq (MHz)	DCR ( $\Omega$ ) Max	I DC (mA) Max
FB05YTQN060	6	100	0.070	800
FB05YTQN110	11	100	0.100	700
FB05YTQN260	26	100	0.200	600
FB05YTQN320	32	100	0.200	600
FB05YTQN600	60	100	0.300	500
FB05YTQN750	75	100	0.300	500
FB05YTQN900	90	100	0.300	500
FB05YTQN121	120	100	0.400	400
FB05YTQN151	150	100	0.400	400
FB05YTQN171	170	100	0.500	400
FB05YTQN221	220	100	0.500	300
FB05YTQN301	300	100	0.500	300
FB05YTQN401	400	100	0.500	300
FB05YTQN501	500	100	0.500	200
FB05YTQN601	600	100	0.500	200
FB05YTQN102	1000	100	0.600	100
FB05YTQN122	1200	100	0.700	100
FB05YTQN152	1500	100	0.700	100
FB05YTQN222	2200	100	0.750	100
FB05YTQN272	2700	100	0.850	100

**Electrical Specifications – FB04 High Speed**

Part Number	Impedance ( $\Omega$ )	Test Freq (MHz)	DCR ( $\Omega$ ) Max	I DC (mA) Max
FB04YTQN320	32	100	0.200	600
FB04YTQN600	60	100	0.300	500
FB04YTQN800	80	100	0.300	500
FB04YTQN900	90	100	0.300	500
FB04YTQN121	120	100	0.400	400
FB04YTQN151	150	100	0.400	400
FB04YTQN201	200	100	0.500	300
FB04YTQN221	220	100	0.500	300
FB04YTQN351	350	100	0.600	300
FB04YTQN401	400	100	0.600	300
FB04YTQN601	600	100	0.800	300
FB04YTQN122	1200	100	1.000	200
FB04YTQN152	1500	100	1.200	150