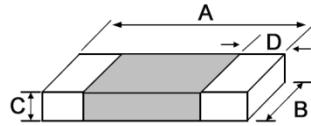


Features:

- EMI protection
- Lower DCR and high current options available for some sizes and impedance values
- RoHS compliant, REACH compliant, lead free, and halogen free
- Contact Stackpole for additional impedance values



Mechanical Specifications



Type / Code	Size	Weight (g) (1000 pc)	A	B	C	D	Unit
FB02	0402	2.6	0.039 ± 0.004	0.020 ± 0.004	0.020 ± 0.004	0.004 ~ 0.014	inches
			1.00 ± 0.10	0.50 ± 0.10	0.50 ± 0.10	0.10 ~ 0.35	mm
FB03	0603	6.2	0.063 ± 0.008	0.031 ± 0.006	0.031 ± 0.006	0.004 ~ 0.024	inches
			1.60 ± 0.20	0.80 ± 0.15	0.80 ± 0.15	0.10 ~ 0.60	mm
FB05	0805	10.0	0.079 ± 0.008	0.049 ± 0.008	0.035 ± 0.008	0.008 ~ 0.031	inches
			2.00 ± 0.20	1.25 ± 0.20	0.90 ± 0.20	0.20 ~ 0.80	mm
FB04	1204	30.0	0.126 ± 0.008	0.063 ± 0.008	0.043 ± 0.008	0.008 ~ 0.039	inches
			3.20 ± 0.20	1.60 ± 0.20	1.10 ± 0.20	0.20 ~ 1.00	mm
FB10	1210	54.0	0.126 ± 0.008	0.098 ± 0.008	0.051 ± 0.008	0.008 ~ 0.039	inches
			3.20 ± 0.20	2.50 ± 0.20	1.30 ± 0.20	0.20 ~ 1.00	mm
FB08	1808	60.0	0.177 ± 0.010	0.063 ± 0.008	0.063 ± 0.008	0.008 ~ 0.039	inches
			4.50 ± 0.25	1.60 ± 0.20	1.60 ± 0.20	0.20 ~ 1.00	mm
FB12	1812	62.0	0.177 ± 0.010	0.126 ± 0.008	0.059 ± 0.008	0.008 ~ 0.039	inches
			4.50 ± 0.25	3.20 ± 0.20	1.50 ± 0.20	0.20 ~ 1.00	mm

Electrical Specifications FB02YTYN – General Purpose

Part Number	Impedance (Ω)	Tolerance	Test Frequency (MHz)	DCR (Ω) max.	Rated Current (mA) max.
FB02YTYN100	10	25%	100	0.05	500
FB02YTYN300	30	25%	100	0.20	300
FB02YTYN400	40	25%	100	0.20	300
FB02YTYN600	60	25%	100	0.40	200
FB02YTYN680	68	25%	100	0.15	500
FB02YTYN700	70	25%	100	0.40	200
FB02YTYN800	80	25%	100	0.40	200
FB02YTYN101	100	25%	100	0.45	200
FB02YTYN121	120	25%	100	0.50	200
FB02YTYN151	150	25%	100	0.60	200
FB02YTYN181	180	25%	100	0.65	100
FB02YTYN221	220	25%	100	0.70	100
FB02YTYN241	240	25%	100	0.30	500
FB02YTYN301	300	25%	100	0.75	100
FB02YTYN331	330	25%	100	0.75	100
FB02YTYN431	430	25%	100	0.50	350
FB02YTYN471	470	25%	100	0.90	100
FB02YTYN501	500	25%	100	1.00	100
FB02YTYN601	600	25%	100	1.10	50
FB02YTYN102	1000	25%	100	1.50	50

Electrical Specifications FB03YTYN – General Purpose

Part Number	Impedance (Ω)	Tolerance	Test Frequency (MHz)	DCR (Ω) max.	Rated Current (mA) max.
FB03YTYN190	19	25%	100	0.10	400
FB03YTYN310	31	25%	100	0.10	400
FB03YTYN520	52	25%	100	0.15	400
FB03YTYN600	60	25%	100	0.15	400
FB03YTYN750	75	25%	100	0.15	400
FB03YTYN800	80	25%	100	0.15	400
FB03YTYN101	100	25%	100	0.15	400
FB03YTYN121	120	25%	100	0.15	400
FB03YTYN151	150	25%	100	0.15	400
FB03YTYN181	180	25%	100	0.20	400
FB03YTYN201	200	25%	100	0.20	400
FB03YTYN221	220	25%	100	0.20	400
FB03YTYN241	240	25%	100	0.17	500
FB03YTYN301	300	25%	100	0.30	400
FB03YTYN401	400	25%	100	0.30	400
FB03YTYN421	420	25%	100	0.30	400
FB03YTYN451	450	25%	100	0.30	400
FB03YTYN601	600	25%	100	0.35	400
FB03YTYN751	750	25%	100	0.35	400
FB03YTYN102	1000	25%	100	0.55	300
FB03YTYN152	1500	25%	100	0.60	200

Electrical Specifications FB05YTYN – General Purpose

Part Number	Impedance (Ω)	Tolerance	Test Frequency (MHz)	DCR (Ω) max.	Rated Current (mA) max.
FB05YTYN170	17	25%	100	0.10	300
FB05YTYN260	26	25%	100	0.10	300
FB05YTYN300	30	25%	100	0.10	300
FB05YTYN310	31	25%	100	0.10	300
FB05YTYN520	52	25%	100	0.15	300
FB05YTYN600	60	25%	100	0.15	300
FB05YTYN800	80	25%	100	0.15	300
FB05YTYN101	100	25%	100	0.20	300
FB05YTYN121	120	25%	100	0.20	300
FB05YTYN151	150	25%	100	0.20	300
FB05YTYN221	220	25%	100	0.25	300
FB05YTYN301	300	25%	100	0.30	300
FB05YTYN401	400	25%	100	0.30	300
FB05YTYN471	470	25%	100	0.18	700
FB05YTYN531	530	25%	100	0.35	300
FB05YTYN601	600	25%	100	0.35	300
FB05YTYN102	1000	25%	100	0.45	300
FB05YTYN152	1500	25%	100	0.70	300

Electrical Specifications FB04YTYN – General Purpose

Part Number	Impedance (Ω)	Tolerance	Test Frequency (MHz)	DCR (Ω) max.	Rated Current (mA) max.
FB04YTYN190	19	25%	100	0.10	800
FB04YTYN260	26	25%	100	0.10	800
FB04YTYN310	31	25%	100	0.10	800
FB04YTYN520	52	25%	100	0.15	800
FB04YTYN600	60	25%	100	0.15	500
FB04YTYN700	70	25%	100	0.15	500
FB04YTYN101	100	25%	100	0.20	450
FB04YTYN121	120	25%	100	0.20	450
FB04YTYN151	150	25%	100	0.20	450
FB04YTYN221	220	25%	100	0.20	350
FB04YTYN301	300	25%	100	0.20	350
FB04YTYN401	400	25%	100	0.25	350
FB04YTYN601	600	25%	100	0.25	350
FB04YTYN751	750	25%	100	0.30	350
FB04YTYN801	800	25%	100	0.30	350
FB04YTYN102	1000	25%	100	0.35	350
FB04YTYN122	1200	25%	100	0.35	350
FB04YTYN272	2700	25%	30	0.60	200

Electrical Specifications FB10YTYN – General Purpose

Part Number	Impedance (Ω)	Tolerance	Test Frequency (MHz)	DCR (Ω) max.	Rated Current (mA) max.
FB10YTYN310	31	25%	100	0.10	500
FB10YTYN520	52	25%	100	0.30	400
FB10YTYN600	60	25%	100	0.30	400

Electrical Specifications FB08YTYN – General Purpose

Part Number	Impedance (Ω)	Tolerance	Test Frequency (MHz)	DCR (Ω) max.	Rated Current (mA) max.
FB08YTYN600	60	25%	100	0.20	500
FB08YTYN800	80	25%	100	0.30	400
FB08YTYN101	100	25%	100	0.30	400
FB08YTYN151	150	25%	100	0.50	200

Electrical Specifications FB12 – General Purpose

Part Number	Impedance (Ω)	Tolerance	Test Frequency (MHz)	DCR (Ω) max.	Rated Current (mA) max.
FB12YTYN310	31	25%	100	0.10	500
FB12YTYN600	60	25%	100	0.20	500
FB12YTYN121	120	25%	100	0.20	500
FB12YTYN151	150	25%	100	0.20	500

Electrical Specifications FB02YTYH – High Current

Part Number	Impedance (Ω)	Tolerance	Test Frequency (MHz)	DCR (Ω) max.	Rated Current (mA) max.
FB02YTYH100	10	25%	100	0.030	2000
FB02YTYH300	30	25%	100	0.030	3000
FB02YTYH600	60	25%	100	0.075	1500
FB02YTYH700	70	25%	100	0.090	1200
FB02YTYH101	100	25%	100	0.090	1200
FB02YTYH121	120	25%	100	0.090	1200
FB02YTYH221	220	25%	100	0.200	1000

Electrical Specifications FB03YTYH – High Current

Part Number	Impedance (Ω)	Tolerance	Test Frequency (MHz)	DCR (Ω) max.	Rated Current (mA) max.
FB03YTYH220	22	25%	100	0.04	3000
FB03YTYH300	30	25%	100	0.04	3000
FB03YTYH330	33	25%	100	0.03	3000
FB03YTYH470	47	25%	100	0.04	3000
FB03YTYH600	60	25%	100	0.04	3000
FB03YTYH620	62	25%	100	0.04	3000
FB03YTYH101	100	25%	100	0.05	3000
FB03YTYH121	120	25%	100	0.05	2000
FB03YTYH181	180	25%	100	0.08	2000
FB03YTYH221	220	25%	100	0.08	2000
FB03YTYH301	300	25%	100	0.15	2000
FB03YTYH471	470	25%	100	0.15	1500
FB03YTYH601	600	25%	100	0.20	1000
FB03YTYH751	750	25%	100	0.30	1000
FB03YTYH102	1000	25%	100	0.25	1000

Electrical Specifications FB05YTYH – High Current

Part Number	Impedance (Ω)	Tolerance	Test Frequency (MHz)	DCR (Ω) max.	Rated Current (mA) max.
FB05YTYH170	17	25%	100	0.008	6000
FB05YTYH220	22	25%	100	0.008	6000
FB05YTYH300	30	25%	100	0.008	6000
FB05YTYH330	33	25%	100	0.008	6000
FB05YTYH390	39	25%	100	0.008	6000
FB05YTYH500	50	25%	100	0.010	6000
FB05YTYH600	60	25%	100	0.020	6000
FB05YTYH800	80	25%	100	0.020	6000
FB05YTYH101	100	25%	100	0.020	5000
FB05YTYH121	120	25%	100	0.020	4000
FB05YTYH601	600	25%	100	0.100	2000

Electrical Specifications FB04YTYH – High Current					
Part Number	Impedance (Ω)	Tolerance	Test Frequency (MHz)	DCR (Ω) max.	Rated Current (mA) max.
FB04YTYH260	26	25%	100	0.006	6000
FB04YTYH310	31	25%	100	0.006	6000
FB04YTYH330	33	25%	100	0.006	6000
FB04YTYH480	48	25%	100	0.008	6000
FB04YTYH500	50	25%	100	0.008	6000
FB04YTYH520	52	25%	100	0.008	6000
FB04YTYH600	60	25%	100	0.020	4000
FB04YTYH800	80	25%	100	0.020	4000
FB04YTYH121	120	25%	100	0.020	4000

Electrical Specifications FB10YTYH – High Current					
Part Number	Impedance (Ω)	Tolerance	Test Frequency (MHz)	DCR (Ω) max.	Rated Current (mA) max.
FB10YTYH520	52	25%	100	0.008	6000
FB10YTYH600	60	25%	100	0.008	6000

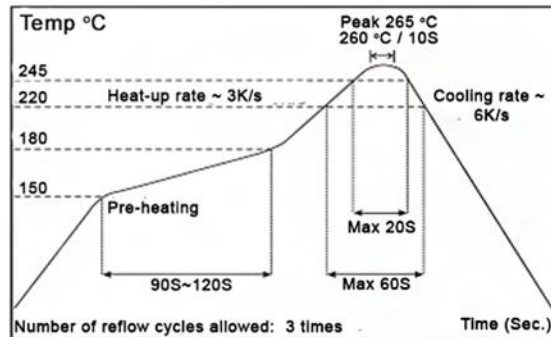
Electrical Specifications FB08YTYH – High Current					
Part Number	Impedance (Ω)	Tolerance	Test Frequency (MHz)	DCR (Ω) max.	Rated Current (mA) max.
FB08YTYH600	60	25%	100	0.008	6000
FB08YTYH750	75	25%	100	0.008	6000
FB08YTYH800	80	25%	100	0.008	6000

Electrical Specifications FB12YTYH – High Current					
Part Number	Impedance (Ω)	Tolerance	Test Frequency (MHz)	DCR (Ω) max.	Rated Current (mA) max.
FB12YTYH600	60	25%	100	0.008	6000
FB12YTYH800	80	25%	100	0.008	6000
FB12YTYH121	120	25%	100	0.020	6000
FB12YTYH151	150	25%	100	0.020	6000

Electrical Specifications FB02YTQS – High Speed					
Part Number	Impedance (Ω)	Tolerance	Test Frequency (MHz)	DCR (Ω) max.	Rated Current (mA) max.
FB02YTQS471	470	25%	100	1.00	100
FB02YTQS601	600	25%	100	1.50	50

Electrical Specifications FB05YTQS – High Speed					
Part Number	Impedance (Ω)	Tolerance	Test Frequency (MHz)	DCR (Ω) max.	Rated Current (mA) max.
FB05YTQS152	1500	25%	100	0.35	200
FB05YTQS182	1800	25%	100	0.40	200
FB05YTQS202	2000	25%	100	0.40	200
FB05YTQS222	2200	25%	100	0.50	200
FB05YTQS252	2500	25%	100	0.60	200
FB05YTQS272	2700	25%	100	0.60	200

Soldering Conditions:



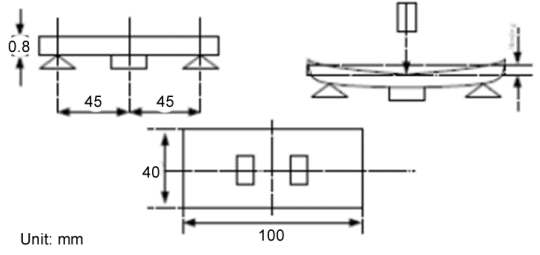
IR Reflow Soldering:

- (1) Time of IR reflow soldering at maximum temperature point 260°C: 10 seconds
- (2) Time of soldering iron at maximum temperature point 280°C: 3 seconds

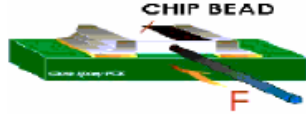
Electrical Performance Test Equipment

Item	Specification	Test Method
Impedance	Refer to specific Electrical Specification	HP4286A
DCR		HP4338 digital milliohm meter

Mechanical Performance Test

Item	Specification	Test Condition / Test Method
Substrate Bending Test	Without deformation cases Impedance: within $\pm 30\%$ of initial value DC Resistance shall be satisfied	Test device shall be soldered on the substrate Substrate dimension: 100x40x0.8 mm Deflection: 3.0 mm Keeping time: 10 seconds and then return  Unit: mm
Vibration	Appearance: no damage Impedance: within $\pm 30\%$ of initial value DC Resistance shall be satisfied	Test device shall be soldered on the substrate Oscillation frequency: 10 to 55 to 10 Hz for 1 minute Amplitude: 1.5 mm (peak-peak) Time: 2 hours for each axis (X, Y & Z), total of 6 hours
Resistance to Soldering Heat	No visible damage Electrical characteristics and mechanical characteristics shall be satisfied	Solder temp: $265 \pm 5^\circ\text{C}$ Immersion time: 6 ± 1 seconds Preheating: 100°C to 150°C , 1 minute Measured after exposure in the room condition for 24 hours Solder: Sn-3Ag-0.5Cu
Solderability	95% minimum coverage of all metallized area	Solder temp: $240 \pm 5^\circ\text{C}$ Immersion time: 3 ± 1 seconds Solder: Sn-3Ag-0.5Cu

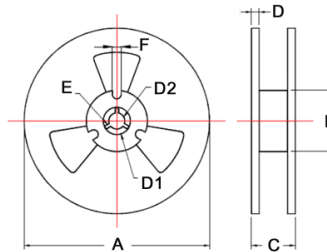
Mechanical Performance Test (cont.)

Item	Specification	Test Condition / Test Method
Terminal Strength	Without deformation cases Impedance: within $\pm 30\%$ of initial value DC Resistance shall be satisfied	Solder chip on PCB and apply 10N (1.02Kgf) for 10 seconds 
Temperature Cycle	Appearance: no damage Impedance: within $\pm 30\%$ of initial value DC Resistance shall be satisfied	One cycle: One cycle/step 1: $-55 \pm 3^\circ\text{C}$ for 30 ± 3 minutes step 2: standard atmospheric conditions 5 seconds or less step 3: $125 \pm 2^\circ\text{C}$ for 30 ± 3 minutes step 4: standard atmospheric conditions 5 seconds or less Total: 100 cycles Measured after exposure in the room condition for 24 hours
Humidity Resistance		Temperature: $60 \pm 2^\circ\text{C}$ Relative humidity: 90~95% Applied current: Rated current (maximum value) Time: 1008 $\pm$ 12 hours Measured after exposure in the room condition for 24 hours
High Temperature Resistance		Temperature: $125 \pm 2^\circ\text{C}$ Applied current: Rated current (maximum value) Time: 1008 $\pm$ 12 hours Measured after exposure in the room condition for 24 hours
Low Temperature Storage Life Test		Temperature: $-55 \pm 2^\circ\text{C}$ Time: 1008 $\pm$ 12 hours Measured after exposure in the room condition for 24 hours
Thermal Shock		$-55^\circ\text{C} \sim 125^\circ\text{C}$ kept stabilized for 30 minutes each for 100 cycles Measured after exposure in the room condition for 24 hours

Operating Temperature: $-55^\circ\text{C} \sim 125^\circ\text{C}$

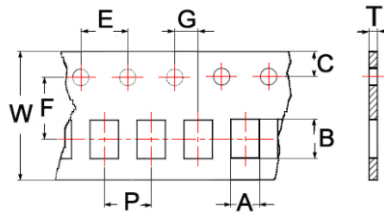
Recommended storage temperature is $< 40^\circ\text{C}$; Humidity: 30~70% RH

Reel Specifications



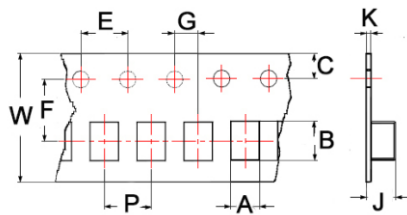
Type/Code	A	B	C	D	D1	D2	E	F	Unit
FB02	7.008 ± 0.079	2.362 ± 0.039	0.394 ± 0.039	0.079 ± 0.020	0.827 ± 0.031	0.512 ± 0.020	0.039	0.079 ± 0.020	Inches
	178.00 ± 2.00	60.00 ± 1.00	10.00 ± 1.00	2.00 ± 0.50	21.00 ± 0.80	13.00 ± 0.50	1.00	2.00 ± 0.50	mm
FB03	7.008 ± 0.079	2.362 ± 0.039	0.394 ± 0.039	0.079 ± 0.020	0.827 ± 0.031	0.512 ± 0.020	0.039	0.079 ± 0.020	Inches
	178.00 ± 2.00	60.00 ± 1.00	10.00 ± 1.00	2.00 ± 0.50	21.00 ± 0.80	13.00 ± 0.50	1.00	2.00 ± 0.50	mm
FB05	7.008 ± 0.079	2.362 ± 0.039	0.394 ± 0.039	0.079 ± 0.020	0.827 ± 0.031	0.512 ± 0.020	0.039	0.079 ± 0.020	Inches
	178.00 ± 2.00	60.00 ± 1.00	10.00 ± 1.00	2.00 ± 0.50	21.00 ± 0.80	13.00 ± 0.50	1.00	2.00 ± 0.50	mm
FB04	7.008 ± 0.079	2.362 ± 0.039	0.394 ± 0.039	0.079 ± 0.020	0.827 ± 0.031	0.512 ± 0.020	0.039	0.079 ± 0.020	Inches
	178.00 ± 2.00	60.00 ± 1.00	10.00 ± 1.00	2.00 ± 0.50	21.00 ± 0.80	13.00 ± 0.50	1.00	2.00 ± 0.50	mm
FB10	7.008 ± 0.079	2.362 ± 0.039	0.394 ± 0.039	0.079 ± 0.020	0.827 ± 0.031	0.512 ± 0.020	0.039	0.079 ± 0.020	Inches
	178.00 ± 2.00	60.00 ± 1.00	10.00 ± 1.00	2.00 ± 0.50	21.00 ± 0.80	13.00 ± 0.50	1.00	2.00 ± 0.50	mm
FB08	7.008 ± 0.079	2.362 ± 0.039	0.551 ± 0.039	0.079 ± 0.020	0.827 ± 0.031	0.512 ± 0.020	0.039	0.079 ± 0.020	Inches
	178.00 ± 2.00	60.00 ± 1.00	14.00 ± 1.00	2.00 ± 0.50	21.00 ± 0.80	13.00 ± 0.50	1.00	2.00 ± 0.50	mm
FB12	7.008 ± 0.079	2.362 ± 0.039	0.551 ± 0.039	0.079 ± 0.020	0.827 ± 0.031	0.512 ± 0.020	0.039	0.079 ± 0.020	Inches
	178.00 ± 2.00	60.00 ± 1.00	14.00 ± 1.00	2.00 ± 0.50	21.00 ± 0.80	13.00 ± 0.50	1.00	2.00 ± 0.50	mm

Paper Tape Specifications



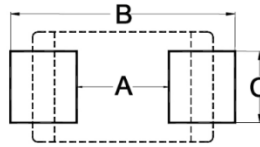
Type/Code	A	B	C	E	F	Unit
FB02	0.026 ± 0.004	0.045 ± 0.004	0.069 ± 0.004	0.157 ± 0.004	0.138 ± 0.002	Inches
	0.65 ± 0.10	1.15 ± 0.10	1.75 ± 0.10	4.00 ± 0.10	3.50 ± 0.05	mm
FB03	0.043 ± 0.004	0.075 ± 0.004	0.069 ± 0.004	0.157 ± 0.004	0.138 ± 0.002	Inches
	1.10 ± 0.10	1.90 ± 0.10	1.75 ± 0.10	4.00 ± 0.10	3.50 ± 0.05	mm
FB05	0.061 ± 0.004	0.091 ± 0.004	0.069 ± 0.004	0.157 ± 0.004	0.138 ± 0.002	Inches
	1.55 ± 0.10	2.30 ± 0.10	1.75 ± 0.10	4.00 ± 0.10	3.50 ± 0.05	mm
Type/Code	G	P	W	T	Unit	
FB02	0.079 ± 0.002	0.079 ± 0.004	0.315 ± 0.008	0.031 ± 0.002	Inches	
	2.00 ± 0.05	2.00 ± 0.10	8.00 ± 0.20	0.80 ± 0.05	mm	
FB03	0.079 ± 0.002	0.157 ± 0.004	0.315 ± 0.008	0.043 ± 0.002	Inches	
	2.00 ± 0.05	4.00 ± 0.10	8.00 ± 0.20	1.10 ± 0.05	mm	
FB05	0.079 ± 0.002	0.157 ± 0.004	0.315 ± 0.008	0.047 ± 0.002	Inches	
	2.00 ± 0.05	4.00 ± 0.10	8.00 ± 0.20	1.20 ± 0.05	mm	

Plastic Tape Specifications



Type/Code	A	B	C	E	F	Unit
FB04	0.075 ± 0.004	0.138 ± 0.004	0.069 ± 0.004	0.157 ± 0.004	0.138 ± 0.002	Inches
	1.90 ± 0.10	3.50 ± 0.10	1.75 ± 0.10	4.00 ± 0.10	3.50 ± 0.05	mm
FB10	0.114 ± 0.004	0.142 ± 0.004	0.069 ± 0.004	0.157 ± 0.004	0.138 ± 0.002	Inches
	2.90 ± 0.10	3.60 ± 0.10	1.75 ± 0.10	4.00 ± 0.10	3.50 ± 0.05	mm
FB08	0.114 ± 0.004	0.193 ± 0.004	0.069 ± 0.004	0.157 ± 0.004	0.217 ± 0.002	Inches
	2.90 ± 0.10	4.90 ± 0.10	1.75 ± 0.10	4.00 ± 0.10	5.50 ± 0.05	mm
FB12	0.142 ± 0.004	0.193 ± 0.004	0.069 ± 0.004	0.157 ± 0.004	0.217 ± 0.002	Inches
	3.60 ± 0.10	4.90 ± 0.10	1.75 ± 0.10	4.00 ± 0.10	5.50 ± 0.05	mm
Type/Code	G	P	W	J	K	Unit
FB04	0.079 ± 0.002	0.157 ± 0.004	0.315 ± 0.008	0.055 ± 0.002	0.008 ± 0.002	Inches
	2.00 ± 0.05	4.00 ± 0.10	8.00 ± 0.20	1.40 ± 0.05	0.20 ± 0.05	mm
FB10	0.079 ± 0.002	0.157 ± 0.004	0.315 ± 0.008	0.067 ± 0.002	0.008 ± 0.002	Inches
	2.00 ± 0.05	4.00 ± 0.10	8.00 ± 0.20	1.70 ± 0.05	0.20 ± 0.05	mm
FB08	0.079 ± 0.002	0.157 ± 0.004	0.472 ± 0.008	0.055 ± 0.002	0.012 ± 0.002	Inches
	2.00 ± 0.05	4.00 ± 0.10	12.00 ± 0.20	1.40 ± 0.05	0.30 ± 0.05	mm
FB12	0.079 ± 0.002	0.315 ± 0.004	0.472 ± 0.008	0.081 ± 0.002	0.012 ± 0.002	Inches
	2.00 ± 0.05	8.00 ± 0.10	12.00 ± 0.20	2.05 ± 0.05	0.30 ± 0.05	mm

Recommended Pad Layouts



Type/Code	A	B	C	Unit
FB02	0.020	0.083	0.022	inches
	0.50	2.10	0.55	mm
FB03	0.024	0.102	0.031	inches
	0.60	2.60	0.80	mm
FB05	0.026	0.127	0.058	inches
	0.66	3.23	1.47	mm
FB04	0.087	0.173	0.081	inches
	2.20	4.40	2.06	mm
FB10	0.084	0.160	0.108	inches
	2.13	4.06	2.74	mm
FB08	0.106	0.224	0.088	inches
	2.70	5.70	2.24	mm
FB12	0.101	0.232	0.166	inches
	2.57	5.90	4.22	mm

RoHS Compliance

Stackpole Electronics has joined the worldwide effort to reduce the amount of lead in electronic components and to meet the various regulatory requirements now prevalent, such as the European Union's directive regarding "Restrictions on Hazardous Substances" (RoHS 3). As part of this ongoing program, we periodically update this document with the status regarding the availability of our compliant components. All our standard part numbers are compliant to EU Directive 2011/65/EU of the European Parliament as amended by Directive (EU) 2015/863/EU as regards the list of restricted substances.

RoHS Compliance Status

Standard Product Series	Description	Package / Termination Type	Standard Series RoHS Compliant	Lead-Free Termination Composition	Lead-Free Mfg. Effective Date (Std Product Series)	Lead-Free Effective Date Code (YY/WW)
FB	Multilayer Ferrite Chip Bead Inductor	SMD	YES	100% Matte Sn	Always	Always

"Conflict Metals" Commitment

We at Stackpole Electronics, Inc. are joined with our industry in opposing the use of metals mined in the "conflict region" of the eastern Democratic Republic of the Congo (DRC) in our products. Recognizing that the supply chain for metals used in the electronics industry is very complex, we work closely with our own suppliers to verify to the extent possible that the materials and products we supply do not contain metals sourced from this conflict region. As such, we are in compliance with the requirements of Dodd-Frank Act regarding Conflict Minerals.

Compliance to "REACH"

We certify that all passive components supplied by Stackpole Electronics, Inc. are SVHC (Substances of Very High Concern) free and compliant with the requirements of EU Directive 1907/2006/EC, "The Registration, Evaluation, Authorization and Restriction of Chemicals", otherwise referred to as REACH. Contact us for complete list of REACH Substance Candidate List.

Environmental Policy

It is the policy of Stackpole Electronics, Inc. (SEI) to protect the environment in all localities in which we operate. We continually strive to improve our effect on the environment. We observe all applicable laws and regulations regarding the protection of our environment and all requests related to the environment to which we have agreed. We are committed to the prevention of all forms of pollution.

How to Order

