

贴片磁珠-FB系列

产品特征 FEATURES

- 叠层独石结构, 可靠性高 Monolithic structure for high reliability
- 高自谐频率 High self-resonant frequency
- 可焊性和耐焊性非常好 Excellent solderability and high heat resistance

产品应用APPLICATIONS

- 通讯设备, LCD TV等音视频设备, 电脑及周边设备, DVD, 照相机,办公自动化等电子设备

产品型号 PRODUCT IDENTIFICATION

FB 1608 D 101 - R30

① ② ③ ④ - ⑤

① 系列 Type	
FB	贴片磁珠 Chip Bead

③ 内部代号 Code	
D,E,U,G,W	

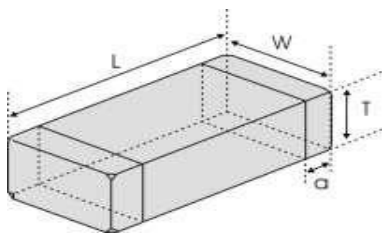
④ 阻抗值 Nominal Impedance	
300	30Ω
121	120Ω
102	1kΩ

② 外形尺寸 (L*W) External Dimensions	
0603	0.6*0.3
1005	1.0*0.5
1608	1.6*0.8
2012	2.0*1.25
3216	3.2*1.6
4516	4.5*1.6

⑤ 额定电流 Rated Current	
R10	100mA
1R0	1000mA / 1A
2R2	2.2A

外观尺寸 SHAPE AND DIMENSIONS

Unit: mm



Type	L	W	T	a
FB0603	0.6±0.05	0.3±0.05	0.3±0.05	0.15±0.05
FB1005	1.0±0.15	0.5±0.15	0.5±0.15	0.25±0.1
FB1608	1.6±0.15	0.8±0.15	0.8±0.15	0.3±0.2
FB2012	2.0±0.3	1.25±0.2	0.85±0.2	0.5±0.3
FB3216	3.2±0.2	1.6±0.2	0.85±0.2 1.1±0.2	0.5±0.3
FB4516	4.5±0.2	1.6±0.2	1.6±0.2	0.5±0.3

FB0603-General use Bead Series

料号 Part Number	阻抗 Impedance	公差 Tolerance	测试频率 Z Test Frequency	直流电阻 MAX. DC Resistance	额定电流 MAX.rated Current
单位 Units	Ω	-	-	Ω	mA
符号 Symbol	Z	-	Freq.	DCR	I _r
FB0603D600-R20	60	25%	100MHz	0.4	200
FB0603D750-R20	75	25%	100MHz	0.4	200
FB0603D800-R20	80	25%	100MHz	0.6	200
FB0603D121-R20	120	25%	100MHz	0.8	200
FB0603D241-R20	240	25%	100MHz	1.0	200
FB0603D471-R20	470	25%	100MHz	1.4	200
FB0603D601-R20	600	25%	100MHz	1.7	200
FB0603D102-R10	1000	25%	100MHz	2.5	100
FB0603U100-R50	5~15	—	100MHz	0.1	500
FB0603U700-R20	70	25%	100MHz	0.4	200
FB0603U800-R20	80	25%	100MHz	0.4	200
FB0603U121-R20	120	25%	100MHz	0.5	200
FB0603U241-R20	240	25%	100MHz	0.8	200
FB0603U601-R10	600	25%	100MHz	1.5	100
FB0603U102-R10	1000	25%	100MHz	2.5	100

FB1005-General use Bead Series

料号 Part Number	阻抗 Impedance	公差 Tolerance	测试频率 Z Test Frequency	直流电阻 MAX. DC Resistance	额定电流 MAX.rated Current
单位 Units	Ω	-	-	Ω	mA
符号 Symbol	Z	-	Freq.	DCR	I _r
FB1005D100-R50	0~15	—	100MHz	0.05	500
FB1005D310-R30	31	±25%	100MHz	0.2	300
FB1005D600-R20	60	±25%	100MHz	0.3	200
FB1005D800-R20	80	±25%	100MHz	0.35	200
FB1005D121-R20	120	±25%	100MHz	0.4	200
FB1005D221-R15	220	±25%	100MHz	0.45	150
FB1005D301-R10	300	±25%	100MHz	0.5	100
FB1005D421-R10	420	±25%	100MHz	0.6	100
FB1005D501-R10	500	±25%	100MHz	0.8	100
FB1005D601-R10	600	±25%	100MHz	0.9	100
FB1005D751-R10	750	±25%	100MHz	1.0	100
FB1005D102-R10	1000	±25%	100MHz	1.2	100
FB1005D152-R10	1500	±25%	100MHz	1.6	100
FB1005D182-R05	1800	±25%	100MHz	2.0	50
FB1005E800-R20	80	±25%	100MHz	0.35	200
FB1005E121-R20	120	±25%	100MHz	0.4	200
FB1005E241-R20	240	±25%	100MHz	0.5	200
FB1005E601-R10	600	±25%	100MHz	0.9	100
FB1005U100-R50	0~15	—	100MHz	0.05	500
FB1005U300-R30	30	±25%	100MHz	0.2	300
FB1005U700-R20	70	±25%	100MHz	0.3	200
FB1005U121-R20	120	±25%	100MHz	0.4	200
FB1005U221-R10	220	±25%	100MHz	0.5	100

规格特性 SPECIFICATIONS
FB1005-General use Bead Series

料号 Part Number	阻抗 Impedance	公差 Tolerance	测试频率 Z Test Frequency	直流电阻 MAX. DC Resistance	额定电流 MAX.rated Current
单位 Units	Ω	-	-	Ω	mA
符号 Symbol	Z	-	Freq.	DCR	I _r
FB1005U301-R10	300	±25%	100MHz	0.6	100
FB1005U421-R10	420	±25%	100MHz	0.8	100
FB1005U601-R10	600	±25%	100MHz	0.9	100
FB1005U102-R10	1000	±25%	100MHz	1.2	100

FB1608-General use Bead Series

料号 Part Number	阻抗 Impedance	公差 Tolerance	测试频率 Z Test Frequency	直流电阻 MAX. DC Resistance	额定电流 MAX.rated Current
单位 Units	Ω	-	-	Ω	mA
符号 Symbol	Z	-	Freq.	DCR	I _r
FB1608D110-2R0	0~15	—	100MHz	0.05	2000
FB1608D300-2R0	30	±25%	100MHz	0.05	2000
FB1608D600-R50	60	±25%	100MHz	0.1	500
FB1608D800-R40	80	±25%	100MHz	0.15	400
FB1608D101-R30	100	±25%	100MHz	0.2	300
FB1608D121-R30	120	±25%	100MHz	0.2	300
FB1608D221-R30	220	±25%	100MHz	0.3	300
FB1608D301-R20	300	±25%	100MHz	0.35	200
FB1608D471-R20	470	±25%	100MHz	0.45	200
FB1608D601-R20	600	±25%	100MHz	0.45	200
FB1608D751-R20	750	±25%	100MHz	0.5	200
FB1608D102-R20	1000	±25%	100MHz	0.6	200
FB1608D152-R15	1500	±25%	100MHz	0.7	150
FB1608D182-R10	1800	±25%	100MHz	0.9	100
FB1608D202-R10	2000	±25%	100MHz	1.2	100
FB1608D222-R10	2200	±25%	100MHz	1.2	100
FB1608D252-R10	2500	±25%	100MHz	1.2	100
FB1608E121-R30	120	±25%	100MHz	0.2	300
FB1608E181-R30	180	±25%	100MHz	0.3	300
FB1608E601-R20	600	±25%	100MHz	0.45	200
FB1608E102-R20	1000	±25%	100MHz	0.6	200
FB1608U100-2R0	0~15	—	100MHz	0.05	2000
FB1608U300-2R0	30	±25%	100MHz	0.05	2000
FB1608U600-R50	60	±25%	100MHz	0.1	500
FB1608U121-R30	120	±25%	100MHz	0.2	300
FB1608U221-R30	220	±25%	100MHz	0.3	300
FB1608U301-R20	300	±25%	100MHz	0.35	200
FB1608U471-R20	470	±25%	100MHz	0.4	200
FB1608U601-R20	600	±25%	100MHz	0.5	200
FB1608U102-R20	1000	±25%	100MHz	0.6	200

规格特性 SPECIFICATIONS
FB2012-General use Bead Series

料号 Part Number	阻抗 Impedance	公差 Tolerance	测试频率 Z Test Frequency	直流电阻 MAX. DC Resistance	额定电流 MAX.rated Current
单位 Units	Ω	-	-	Ω	mA
符号 Symbol	Z	-	Freq.	DCR	I _r
FB2012D070-2R0	0~15	—	100MHz	0.04	2000
FB2012D190-2R0	19	±25%	100MHz	0.04	2000
FB2012D300-1R5	30	±25%	100MHz	0.05	1500
FB2012D800-1R0	80	±25%	100MHz	0.1	1000
FB2012D121-R80	120	±25%	100MHz	0.15	800
FB2012D181-R70	180	±25%	100MHz	0.18	700
FB2012D221-R60	220	±25%	100MHz	0.2	600
FB2012D301-R50	300	±25%	100MHz	0.2	500
FB2012D421-R50	420	±25%	100MHz	0.3	500
FB2012D501-R50	500	±25%	100MHz	0.3	500
FB2012D601-R50	600	±25%	100MHz	0.3	500
FB2012D751-R50	750	±25%	100MHz	0.35	500
FB2012D102-R50	1000	±25%	100MHz	0.35	500
FB2012D152-R50	1500	±25%	100MHz	0.4	500
FB2012D202-R50	2000	±25%	100MHz	0.5	500
FB2012D252-R20	2500	±25%	100MHz	0.7	200
FB2012E800-1R0	80	±25%	100MHz	0.1	1000
FB2012E181-R60	180	±25%	100MHz	0.2	600
FB2012E301-R50	300	±25%	100MHz	0.2	500
FB2012E501-R50	500	±25%	100MHz	0.3	500
FB2012E601-R50	600	±25%	100MHz	0.3	500
FB2012E102-R50	1000	±25%	100MHz	0.35	500
FB2012U100-2R2	0~15	—	100MHz	0.04	2200
FB2012U170-2R0	17	±25%	100MHz	0.04	2000
FB2012U300-1R5	30	±25%	100MHz	0.05	1500
FB2012U700-1R0	70	±25%	100MHz	0.1	1000
FB2012U121-R80	120	±25%	100MHz	0.15	800
FB2012U221-R60	220	±25%	100MHz	0.2	600
FB2012U301-R50	300	±25%	100MHz	0.2	500
FB2012U421-R50	420	±25%	100MHz	0.25	500
FB2012U601-R50	600	±25%	100MHz	0.3	500
FB2012U102-R50	1000	±25%	100MHz	0.4	500

FB3216-General use Bead Series

料号 Part Number	阻抗 Impedance	公差 Tolerance	测试频率 Z Test Frequency	直流电阻 MAX. DC Resistance	额定电流 MAX.rated Current
单位 Units	Ω	-	-	Ω	mA
符号 Symbol	Z	-	Freq.	DCR	I _r
FB3216D000-2R2	0~15	—	100MHz	0.03	2200
FB3216D310-2R0	31	±25%	100MHz	0.05	2000
FB3216D600-1R0	60	±25%	100MHz	0.1	1000
FB3216D800-1R0	80	±25%	100MHz	0.1	1000
FB3216D221-R60	220	±25%	100MHz	0.2	600

规格特性 SPECIFICATIONS
FB3216-General use Bead Series

料号 Part Number	阻抗 Impedance	公差 Tolerance	测试频率 Z Test Frequency	直流电阻 MAX. DC Resistance	额定电流 MAX.rated Current
单位 Units	Ω	-	-	Ω	mA
符号 Symbol	Z	-	Freq.	DCR	I _r
FB3216D301-R60	300	±25%	100MHz	0.2	600
FB3216D501-R60	500	±25%	100MHz	0.3	600
FB3216D601-R60	600	±25%	100MHz	0.3	600
FB3216D102-R50	1000	±25%	100MHz	0.6	500
FB3216D122-R30	1200	±25%	100MHz	0.6	300
FB3216U601-R60	600	±25%	100MHz	0.3	600
FB3216D100-2R0	0~15	—	100MHz	0.05	2000
FB3216D190-2R0	19	±25%	100MHz	0.05	2000
FB3216D101-1R0	100	±25%	100MHz	0.1	1000
FB3216D121-1R0	120	±25%	100MHz	0.15	1000
FB3216D151-1R0	150	±25%	100MHz	0.15	1000

FB0603-Large Current Bead Series

料号 Part Number	阻抗 Impedance	公差 Tolerance	测试频率 Z Test Frequency	直流电阻 MAX. DC Resistance	额定电流 MAX.rated Current
单位 Units	Ω	-	-	Ω	mA
符号 Symbol	Z	-	Freq.	DCR	I _r
FB0603D600-R50	60	±25%	100MHz	0.18	500
FB0603D800-R50	80	±25%	100MHz	0.20	500
FB0603D121-R45	120	±25%	100MHz	0.25	450
FB0603D241-R35	240	±25%	100MHz	0.41	350
FB0603D601-R25	600	±25%	100MHz	1.00	250
FB0603D102-R20	1000	±25%	100MHz	1.40	200
FB0603U100-1R0	10±5	-	100MHz	0.05	1000
FB0603U800-R50	80	±25%	100MHz	0.18	500
FB0603U121-R45	120	±25%	100MHz	0.23	450
FB0603U241-R35	240	±25%	100MHz	0.38	350

FB1005-Large Current Bead Series

料号 Part Number	阻抗 Impedance	公差 Tolerance	测试频率 Z Test Frequency	直流电阻 MAX. DC Resistance	额定电流 MAX.rated Current
单位 Units	Ω	-	-	Ω	mA
符号 Symbol	Z	-	Freq.	DCR	I _r
FB1005D100-1R0	0~30	-	100MHz	0.05	1000
FB1005E100-1R8	0~15	-	100MHz	0.02	1800
FB1005E700-R80	70	±25%	100MHz	0.10	800
FB1005E121-R70	120	±25%	100MHz	0.13	700
FB1005E221-R60	220	±25%	100MHz	0.18	600
FB1005E601-R45	600	±25%	100MHz	0.34	450
FB1005U700-1R2	70	±25%	100MHz	0.10	1200
FB1005U121-1R0	120	±25%	100MHz	0.12	1000
FB1005U221-R80	220	±25%	100MHz	0.18	800
FB1005U601-R45	600	±25%	100MHz	0.34	450

规格特性 SPECIFICATIONS

FB1608-Large Current Bead Series

料号 Part Number	阻抗 Impedance	公差 Tolerance	测试频率 Z Test Frequency	直流电阻 MAX. DC Resistance	额定电流 MAX.rated Current
单位 Units	Ω	-	-	Ω	mA
符号 Symbol	Z	-	Freq.	DCR	I _r
FB1608D300-3R0	30	±25%	100MHz	0.03	3000
FB1608D600-2R0	60	±25%	100MHz	0.08	2000
FB1608D750-1R0	75	±25%	100MHz	0.15	1000
FB1608D121-1R0	120	±25%	100MHz	0.20	1000
FB1608D221-1R0	220	±25%	100MHz	0.20	1000
FB1608D601-R50	600	±25%	100MHz	0.35	500
FB1608E600-1R4	60	±25%	100MHz	0.10	1400
FB1608U100-3R0	0~15	-	100MHz	0.02	3000
FB1608U300-3R0	30	±25%	100MHz	0.03	3000
FB1608U600-2R5	60	±25%	100MHz	0.04	2500
FB1608U121-2R0	120	±25%	100MHz	0.05	2000
FB1608U221-1R4	220	±25%	100MHz	0.10	1400
FB1608U331-1R2	330	±25%	100MHz	0.14	1200
FB1608U391-1R0	390	±25%	100MHz	0.14	1000
FB1608U471-1R0	470	±25%	100MHz	0.20	1000

FB2012-Large Current Bead Series

料号 Part Number	阻抗 Impedance	公差 Tolerance	测试频率 Z Test Frequency	直流电阻 MAX. DC Resistance	额定电流 MAX.rated Current
单位 Units	Ω	-	-	Ω	mA
符号 Symbol	Z	-	Freq.	DCR	I _r
FB2012D390-4R0	39	±25%	100MHz	0.02	4000
FB2012D800-3R0	80	±25%	100MHz	0.04	3000
FB2012D121-2R5	120	±25%	100MHz	0.06	2500
FB2012D221-1R5	220	±25%	100MHz	0.08	1500
FB2012D301-1R5	300	±25%	100MHz	0.12	1500
FB2012D471-R80	470	±25%	100MHz	0.25	800
FB2012D601-R80	600	±25%	100MHz	0.25	800
FB2012U300-3R0	30	±25%	100MHz	0.02	3000
FB2012U300-4R0	30	±25%	100MHz	0.015	4000
FB2012U600-3R0	60	±25%	100MHz	0.025	3000
FB2012U121-2R5	120	±25%	100MHz	0.04	2500
FB2012U221-2R0	220	±25%	100MHz	0.07	2000
FB2012U301-1R5	300	±25%	100MHz	0.10	1500
FB2012U421-1R0	420	±25%	100MHz	0.20	1000
FB2012U601-R80	600	±25%	100MHz	0.25	800

FB3216-Large Current Bead Series

料号 Part Number	阻抗 Impedance	公差 Tolerance	测试频率 Z Test Frequency	直流电阻 MAX. DC Resistance	额定电流 MAX.rated Current
单位 Units	Ω	-	-	Ω	mA
符号 Symbol	Z	-	Freq.	DCR	I _r
FB3216D190-6R0	19	±25%	100MHz	0.010	6000
FB3216D380-5R0	38	±25%	100MHz	0.015	5000

FB3216-Large Current Bead Series

料号 Part Number	阻抗 Impedance	公差 Tolerance	测试频率 Z Test Frequency	直流电阻 MAX. DC Resistance	额定电流 MAX.rated Current
单位 Units	Ω	-	-	Ω	mA
符号 Symbol	Z	-	Freq.	DCR	I _r
FB3216D600-4R0	60	±25%	100MHz	0.02	4000
FB3216D121-3R0	120	±25%	100MHz	0.03	3000
FB3216D501-2R0	500	±25%	100MHz	0.07	2000
FB3216D601-2R0	600	±25%	100MHz	0.07	2000
FB3216U300-6R0	30	±25%	100MHz	0.01	6000
FB3216U600-4R0	60	±25%	100MHz	0.025	4000
FB3216U121-3R0	120	±25%	100MHz	0.03	3000
FB3216U221-2R0	220	±25%	100MHz	0.08	2000
FB3216U301-2R0	300	±25%	100MHz	0.10	2000
FB3216U391-2R0	390	±25%	100MHz	0.07	2000
FB3216U601-1R5	600	±25%	100MHz	0.10	1500
FB3216U102-R50	1000	±25%	100MHz	0.30	500
FB3216D000-4R0	0~10	-	100MHz	0.020	4000
FB3216D050-6R0	0~15	-	100MHz	0.010	6000
FB3216D100-6R0	0~20	-	100MHz	0.010	6000
FB3216D310-3R0	31	±25%	100MHz	0.045	3000
FB3216D500-4R0	50	±25%	100MHz	0.010	4000
FB3216D600-2R5	60	±25%	100MHz	0.025	2500
FB3216D700-3R0	70	±25%	100MHz	0.030	3000
FB3216D800-3R0	80	±25%	100MHz	0.030	3000
FB3216D900-2R0	90	±25%	100MHz	0.080	2000
FB3216D101-3R0	100	±25%	100MHz	0.035	3000
FB3216D151-3R0	150	±25%	100MHz	0.030	3000
FB3216D391-2R5	390	±25%	100MHz	0.050	2500
FB3216U310-6R0	31	±25%	100MHz	0.010	6000
FB3216U500-4R0	50	±25%	100MHz	0.020	4000
FB3216U600-1R5	60	±25%	100MHz	0.030	1500
FB3216U102-1R0	1000	±25%	100MHz	0.300	1000
FB3216U501-2R0	500	±25%	100MHz	0.070	2000

FB4516-Large Current Bead Series

料号 Part Number	阻抗 Impedance	公差 Tolerance	测试频率 Z Test Frequency	直流电阻 MAX. DC Resistance	额定电流 MAX.rated Current
单位 Units	Ω	-	-	Ω	mA
符号 Symbol	Z	-	Freq.	DCR	I _r
FB4516U600-6R0	60	±25%	100MHz	0.01	6000
FB4516U720-6R0	72	±25%	100MHz	0.01	6000
FB4516U181-3R0	180	±25%	100MHz	0.025	3000
FB4516U471-2R0	470	±25%	100MHz	0.05	2000
FB4516U102-1R5	1000	±25%	100MHz	0.09	1500

规格特性 SPECIFICATIONS
FB0603-Ultra Large Current Bead Series

料号 Part Number	阻抗 Impedance	公差 Tolerance	测试频率 Z Test Frequency	直流电阻 MAX. DC Resistance	额定电流 MAX.rated Current
单位 Units	Ω	-	-	Ω	mA
符号 Symbol	Z	-	Freq.	DCR	I _r
FB0603U220-1R8	22	±25%	100MHz	40	1800
FB0603U330-1R5	33	±25%	100MHz	55	1500
FB0603U470-1R0	47	±25%	100MHz	120	1000
FB0603U800-1R0	80	±25%	100MHz	130	1000

FB1005-Ultra Large Current Bead Series

料号 Part Number	阻抗 Impedance	公差 Tolerance	测试频率 Z Test Frequency	直流电阻 MAX. DC Resistance	额定电流 MAX.rated Current
单位 Units	Ω	-	-	Ω	mA
符号 Symbol	Z	-	Freq.	DCR	I _r
FB1005D100-2R0	0~30		100MHz	45	2000
FB1005D300-1R7	30	±25%	100MHz	50	1700
FB1005D300-2R2	30	±25%	100MHz	35	2200
FB1005D600-1R5	60	±25%	100MHz	75	1500
FB1005D800-1R5	80	±25%	100MHz	70	1500
FB1005D121-1R3	120	±25%	100MHz	90	1300
FB1005D221-R90	220	±25%	100MHz	160	900

FB1608-Ultra Large Current Bead Series

料号 Part Number	阻抗 Impedance	公差 Tolerance	测试频率 Z Test Frequency	直流电阻 MAX. DC Resistance	额定电流 MAX.rated Current
单位 Units	Ω	-	-	Ω	mA
符号 Symbol	Z	-	Freq.	DCR	I _r
FB1608G300-1R8	30	±25%	100MHz	60	1800
FB1608G600-1R2	60	±25%	100MHz	100	1200
FB1608G101-1R0	100	±25%	100MHz	150	1000
FB1608U220-6R0	22	±25%	100MHz	10	6000
FB1608U280-6R0	28	±25%	100MHz	10	6000
FB1608U700-4R0	70	±25%	100MHz	20	4000
FB1608U221-2R2	220	±25%	100MHz	50	2200
FB1608U331-1R5	330	±25%	100MHz	70	1500
FB1608U391-1R5	390	±25%	100MHz	120	1500
FB1608U471-1R5	470	±25%	100MHz	120	1500
FB1608U601-1R3	600	±25%	100MHz	150	1300
FB1608E300-5R0	30	±25%	100MHz	10	5000
FB1608E600-3R5	60	±25%	100MHz	20	3500
FB1608E101-3R0	100	±25%	100MHz	30	3000
FB1608E181-2R2	180	±25%	100MHz	50	2200
FB1608E221-2R2	220	±25%	100MHz	50	2200
FB1608E331-1R7	330	±25%	100MHz	80	1700
FB1608E601-1R0	600	±25%	100MHz	150	1000
FB1608W260-6R0	26	±25%	100MHz	7	6000

规格特性 SPECIFICATIONS

FB2012-Ultra Large Current Bead Series

料号 Part Number	阻抗 Impedance	公差 Tolerance	测试频率 Z Test Frequency	直流电阻 MAX. DC Resistance	额定电流 MAX.rated Current
单位 Units	Ω	-	-	Ω	mA
符号 Symbol	Z	-	Freq.	DCR	Ir
FB2012D220-6R0	22	±25%	100MHz	10	6000
FB2012D800-4R0	80	±25%	100MHz	20	4000
FB2012U220-6R0	22	±25%	100MHz	10	6000
FB2012U300-6R0	30	±25%	100MHz	10	6000
FB2012U600-4R0	60	±25%	100MHz	20	4000
FB2012U221-3R0	220	±25%	100MHz	40	3000
FB2012E300-6R0	30	±25%	100MHz	10	6000
FB2012E121-4R0	120	±25%	100MHz	20	4000
FB2012E221-3R0	220	±25%	100MHz	40	3000
FB2012E331-2R5	330	±25%	100MHz	50	2500
FB2012E601-2R0	600	±25%	100MHz	90	2000
FB2012E102-1R5	1000	±25%	100MHz	120	1500

Note: The thickness of FB3216 series may be increased to 1.1±0.2 mm when the Ir of product increased.
 Products with other electrical characteristics can be provided upon customer's request. Please contact your local sales.