

**FBS Series**  
**SMD EMI Suppression Ferrite Bead**  
**Size 0603**



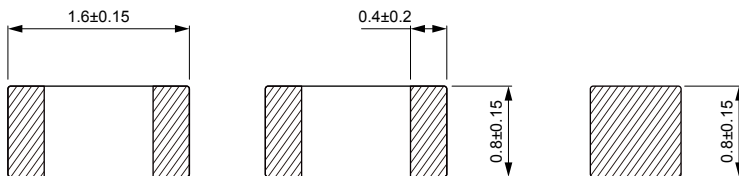
**FEATURES**

- Noise countermeasures for general signals, high-speed signals and power line
- Impedance up to 1000Ω
- Up to 6A of rated current
- Operating temperature: -55 to +125 °C
- Quantity: 4000pcs

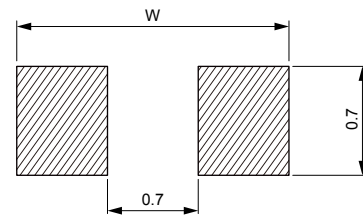
**APPLICATION**

- Data lines and low power lines
- Connection between digital and analog circuit

**Dimensions: [mm]**



**Land Pattern: [mm]**



WIDE BAND / HIGH SPEED: W = 2.2  
 HIGH CURRENT: W = 2.6

**Electrical Properties:**

Part No	Impedance @ 100MHz (Ω)	Tolerance	Temperature Rise Current (mA)	DC Resistance (Ω)
FBSHS0603-100-901R	10	±25%	900	0.100
FBSHS0603-330-501R	33	±25%	500	0.200
FBSHS0603-400-401R	40	±25%	400	0.150
FBSHS0603-470-501R	47	±25%	500	0.300
FBSHS0603-600-701R	60	±25%	700	0.150
FBSHS0603-680-701R	68	±25%	700	0.100
FBSHS0603-800-501R	80	±25%	500	0.300
FBSHS0603-800-701R	80	±25%	700	0.100
FBSHS0603-121-301R	120	±25%	300	0.300
FBSHS0603-151-301R	150	±25%	300	0.300
FBSHS0603-301-301R	300	±25%	300	0.350
FBSHS0603-471-451R	470	±25%	450	0.350
FBSHS0603-601-301R	600	±25%	300	0.650
FBSHS0603-102-301R	1000	±25%	300	0.600
FBSWB0603-101-601R	100	±25%	600	0.150
FBSWB0603-121-501R	120	±25%	500	0.200
FBSWB0603-181-601R	180	±25%	600	0.150
FBSWB0603-221-501R	220	±25%	500	0.170

Part No	Impedance @ 100MHz (Ω)	Tolerance	Temperature Rise Current (mA)	DC Resistance (Ω)
FBSWB0603-241-401R	240	±25%	400	0.200
FBSWB0603-601-401R	600	±25%	400	0.350
FBSWB0603-751-401R	750	±25%	400	0.350
FBSWB0603-102-301R	1000	±25%	300	0.550
FBSWB0603-102-101R	1000	±25%	100	0.850
FBSWB0603-102-601R	1000	±25%	600	0.300
FBSWB0603-122-500R	1200	±25%	50	0.700
FBSWB0603-152-501R	1500	±25%	500	0.400
FBSWB0603-182-501R	1800	±25%	500	0.600
FBSWB0603-222-301R	2200	±25%	300	0.700
FBSWB0603-252-500R	2500	±25%	50	1.000
FBSHC0603-220-302R	22	±25%	3000	0.040
FBSHC0603-280-302R	28	±25%	3000	0.030
FBSHC0603-300-102R	30	±25%	1000	0.080
FBSHC0603-300-302R	30	±25%	3000	0.040
FBSHC0603-600-302R	60	±25%	3000	0.040
FBSHC0603-101-102R	100	±25%	1000	0.150
FBSHC0603-121-202R	120	±25%	2000	0.050
FBSHC0603-181-202R	180	±25%	2000	0.080
FBSHC0603-301-202R	300	±25%	2000	0.100
FBSHC0603-471-152R	470	±25%	1500	0.150
FBSHC0603-601-102R	600	±25%	1000	0.200
FBSHC0603-102-102R	1000	±25%	1000	0.200
FBSHF0603-121-601R	120	±25%	600	0.300

Temperature Rise Current: The actual value of DC current when the temperature rise is  $\Delta T=40^{\circ}\text{C}$

### Typical Electrical Characteristics:

