

FBHA S Series

Chip Ferrite Bead High Current Type
Size 0603



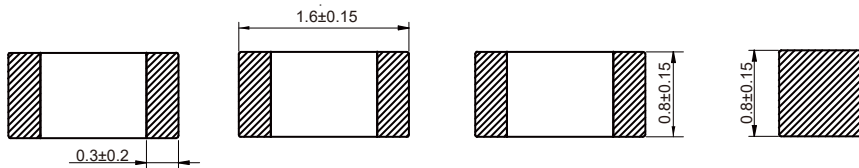
FEATURES

- Noise reduction solution for power line.
- Compared to the FBA series, has low direct current resistance for compatibility with lage currents,optimal for low power consumption. Various frequency characteristics with 2 materials of different features for countermeasures against everything from general signals to high-speed signals.
- Performs well even in signal lines where low direct current resistance is required.
- AEC-Q200 qualified
- Operating temperature: -55 to +150 °C(including self-temperature rise)
- Quantity: 4000pcs

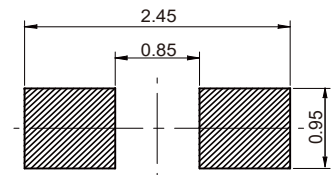
APPLICATION

- Power line filter for body controls, and car multimedia etc.

Dimensions: [mm]



Land Pattern: [mm]

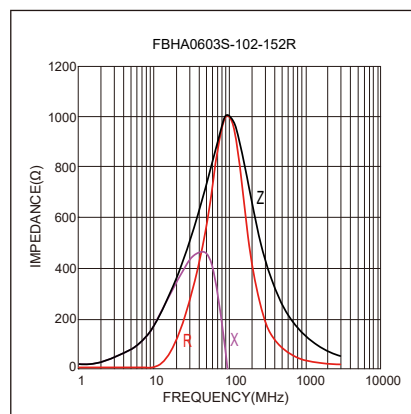
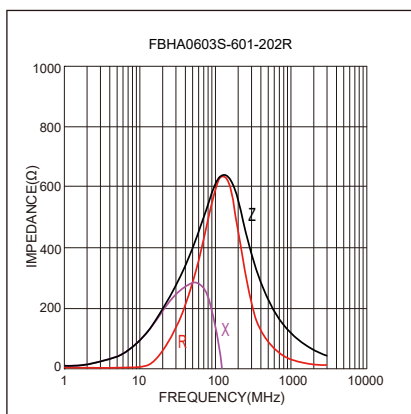
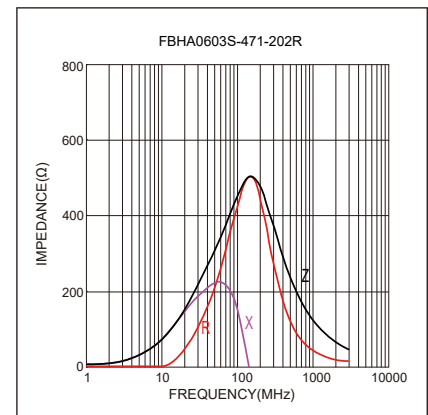
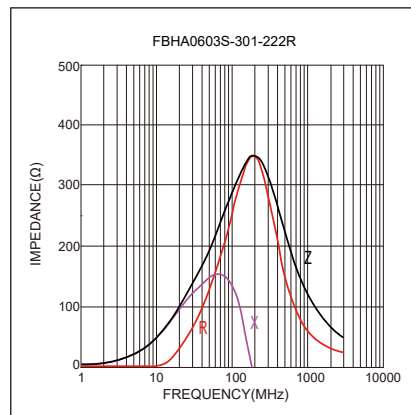
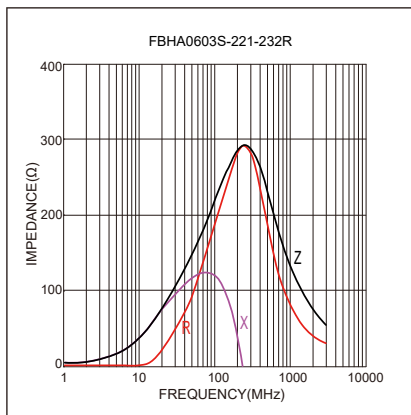
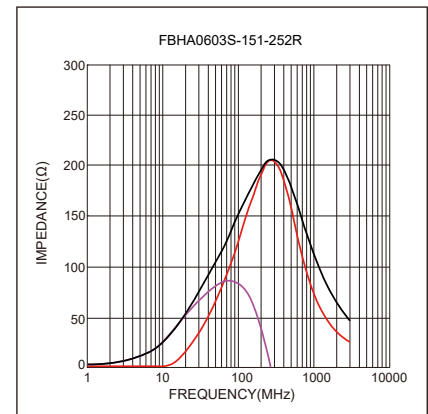
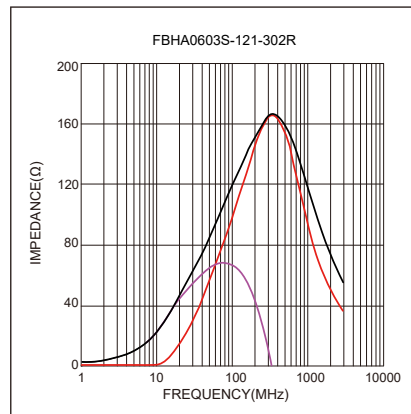
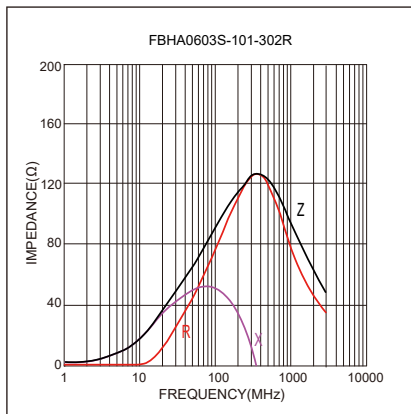
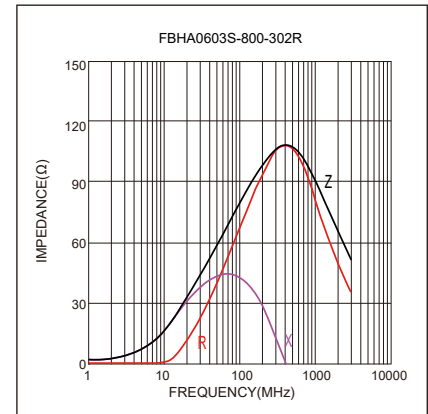
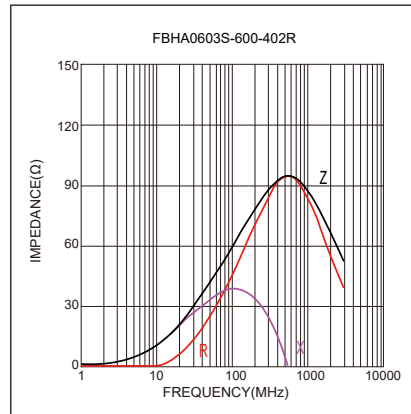
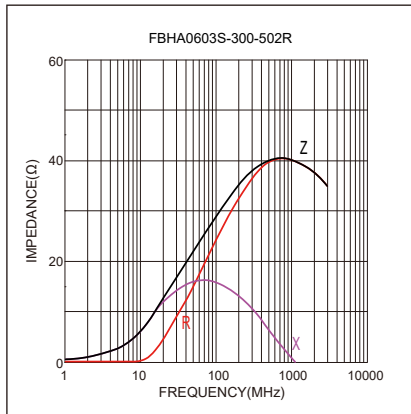


Electrical Properties:

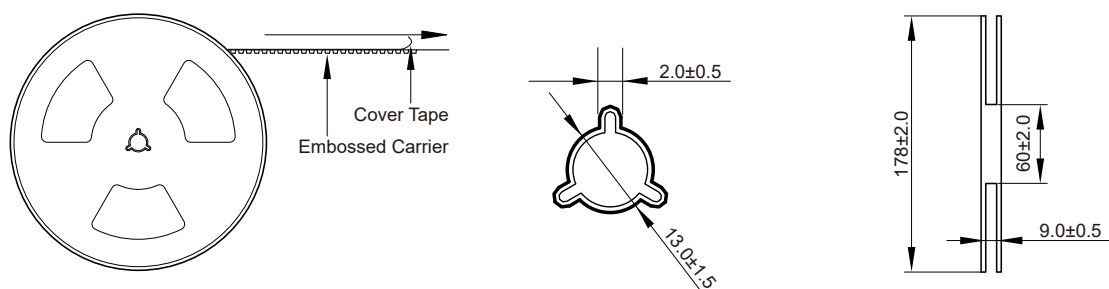
Part No	Impedance @ 100MHz (Ω)	Tolerance	DC Resistance Max. (Ω)	Temperature Rise Current Max. (mA)
FBHA0603S-300-502R	30	±25%	0.010	5000
FBHA0603S-600-402R	60	±25%	0.020	4000
FBHA0603S-800-302R	80	±25%	0.030	3000
FBHA0603S-101-302R	100	±25%	0.030	3000
FBHA0603S-121-302R	120	±25%	0.035	3000
FBHA0603S-151-252R	150	±25%	0.040	2500
FBHA0603S-221-232R	220	±25%	0.050	2300
FBHA0603S-301-222R	300	±25%	0.070	2200
FBHA0603S-471-202R	470	±25%	0.090	2000
FBHA0603S-601-202R	600	±25%	0.095	2000
FBHA0603S-101-152R	1000	±25%	0.150	1500

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

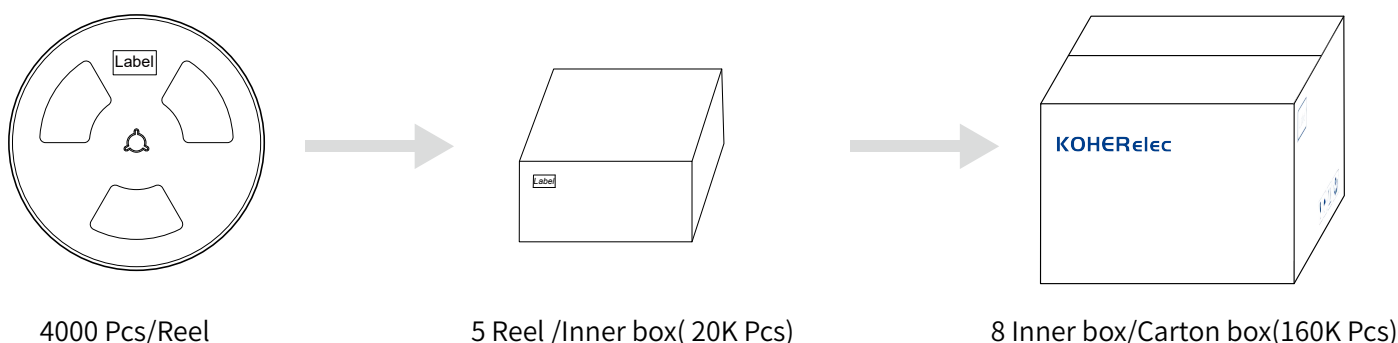
Typical Electrical Characteristics:



Reel Dimension: [mm]



Packaging Quantity:



Cautions and Warnings:

Storage Conditions:

- The storage period is within 12 months after the completion of production. Be sure to follow the storage conditions (temperature: -5 to 35°C, humidity: 75% RH Max). If the storage period elapses, the soldering of the terminal electrodes may deteriorate. The warranty period is one year.
- Product should not be exposed to environment with high temperature, high humidity, dust, corrosive gas and etc.
- Products should be handled with care to avoid damage or contamination from perspiration and skin oils.
- Please always handle products carefully to prevent any damage caused by dropping down or inappropriate removing.

Operation Instructions:

- Self heating (temperature increase) occurs when the power is turned ON, so the tolerance should be sufficient for the set thermal design.
- Before soldering, be sure to preheat components. The preheating temperature should be set so that the temperature difference between the solder temperature and chip temperature does not exceed 150°C.
- Soldering corrections after mounting should be within the range of the conditions determined in the specifications. If overheated, a short circuit, performance deterioration, or lifespan shortening may occur.
- Generally, Koher might not be familiar with either customer's specific application or actual requests as customer does. As a result customer shall be responsible for checking and confirming whether Koher product with the performance described in the product specification is suitable for using in customer's particular application or not.