

FBHA S Series

Chip Ferrite Bead High Current Type
Size 0805



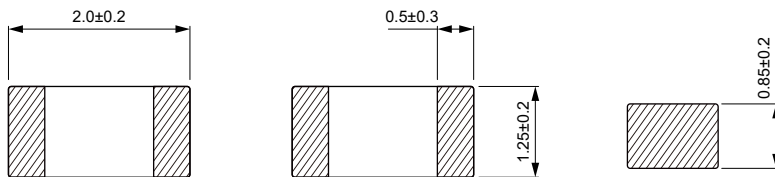
FEATURES

- Noise reduction solution for power line.
- Compared to the FBA series, has low direct current resistance for compatibility with large 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

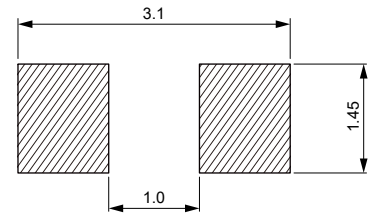
APPLICATION

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

Dimensions: [mm]



Land Pattern: [mm]

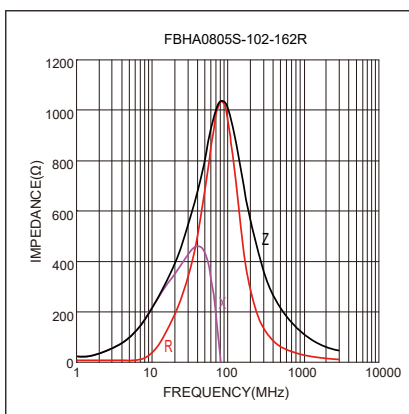
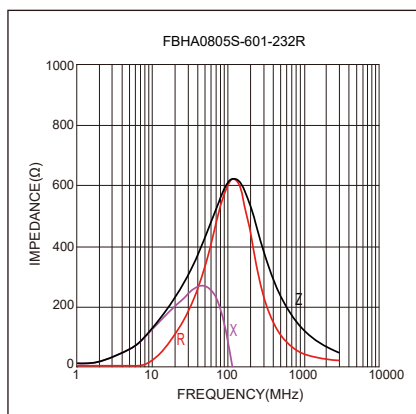
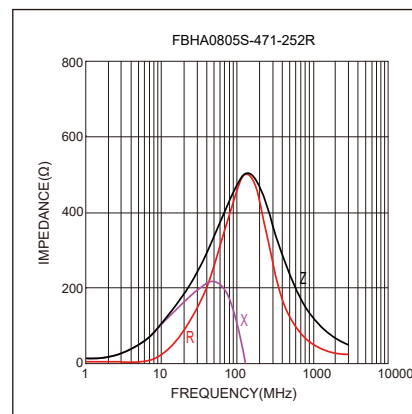
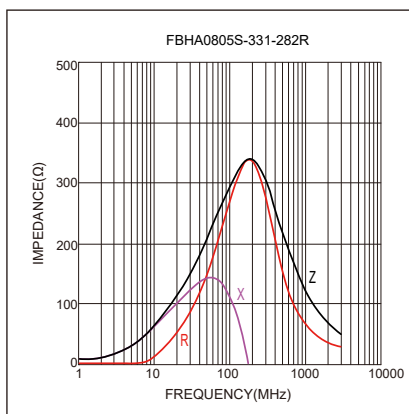
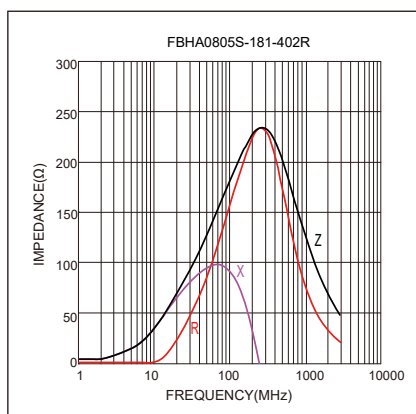
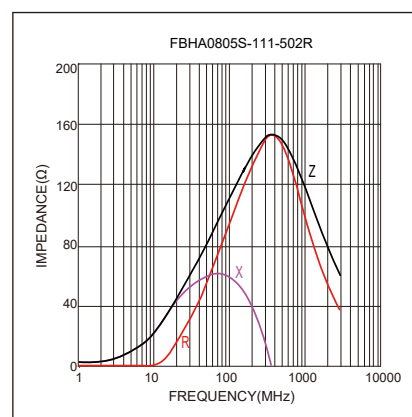
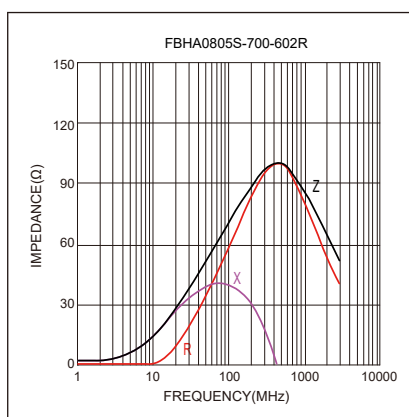
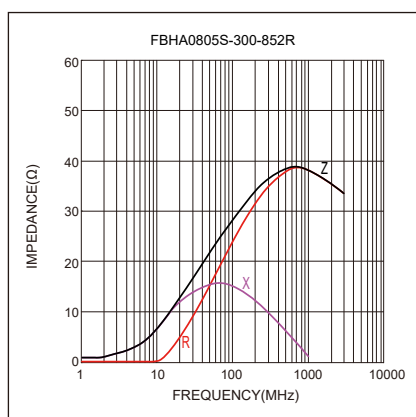


Electrical Properties:

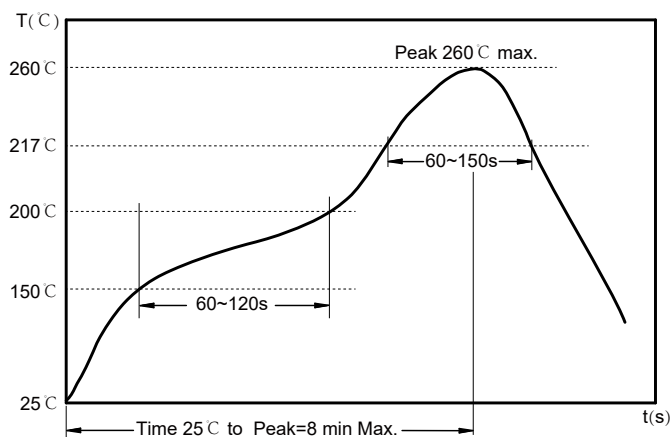
Part No	Impedance @ 100MHz (Ω)	Tolerance	DC Resistance Max. (Ω)	Temperature Rise Current Max. (mA)
FBHA0805S-300-852R	30	±25%	0.004	8500
FBHA0805S-700-602R	70	±25%	0.009	6000
FBHA0805S-111-502R	110	±25%	0.013	5000
FBHA0805S-181-402R	180	±25%	0.020	4000
FBHA0805S-331-282R	330	±25%	0.040	2800
FBHA0805S-471-252R	470	±25%	0.050	2500
FBHA0805S-601-232R	600	±25%	0.060	2300
FBHA0805S-102-162R	1000	±25%	0.120	1600

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

Typical Electrical Characteristics:



Soldering Reflow:



Preheat condition: 150 ~200 °C / 60~120 sec.

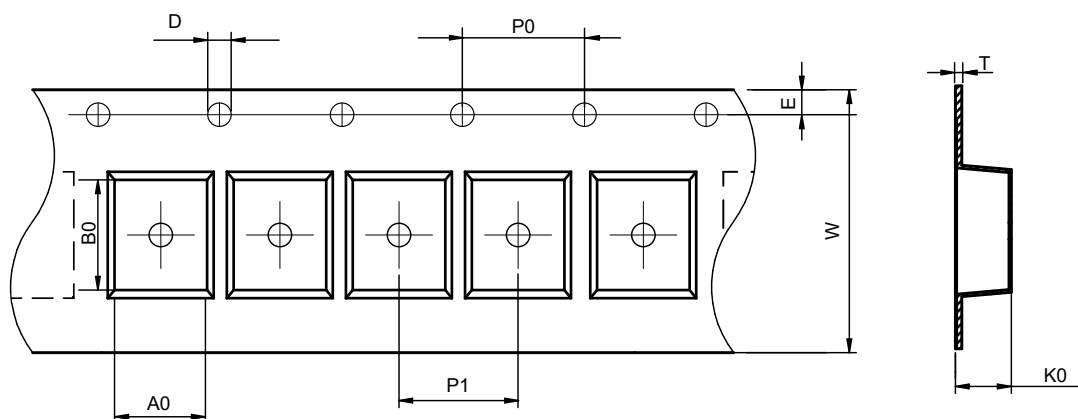
Allowed time above 217 °C: 60~150 sec.

Max temperature: 260 °C .

Allowed Reflow time: 3x max.

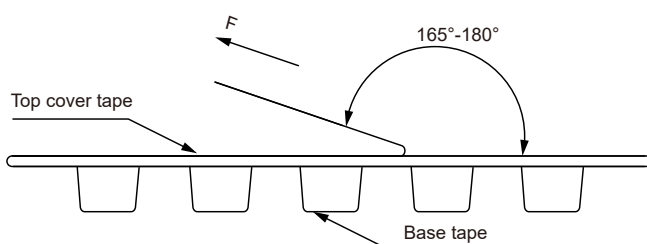
Packaging Information:

Tape Dimension:



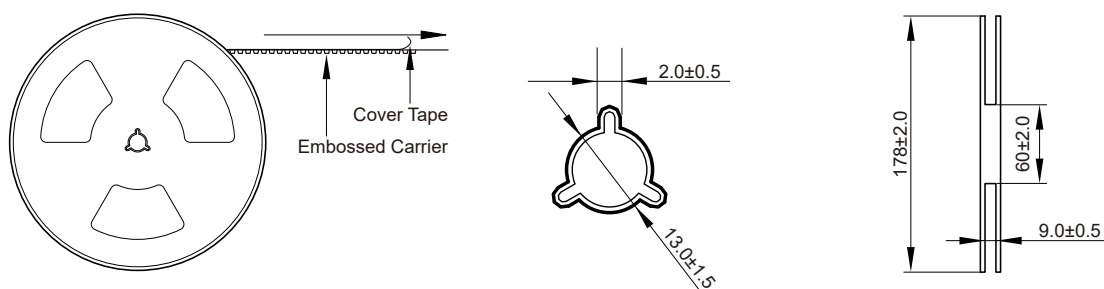
Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
FBHA0805S	1.30±0.05	2.10±0.05	1.5±0.1	4.0±0.1	4.0±0.1	8.0±0.3	0.95±0.05	1.75±0.1	0.95±0.05

Peel force of top cover tape:

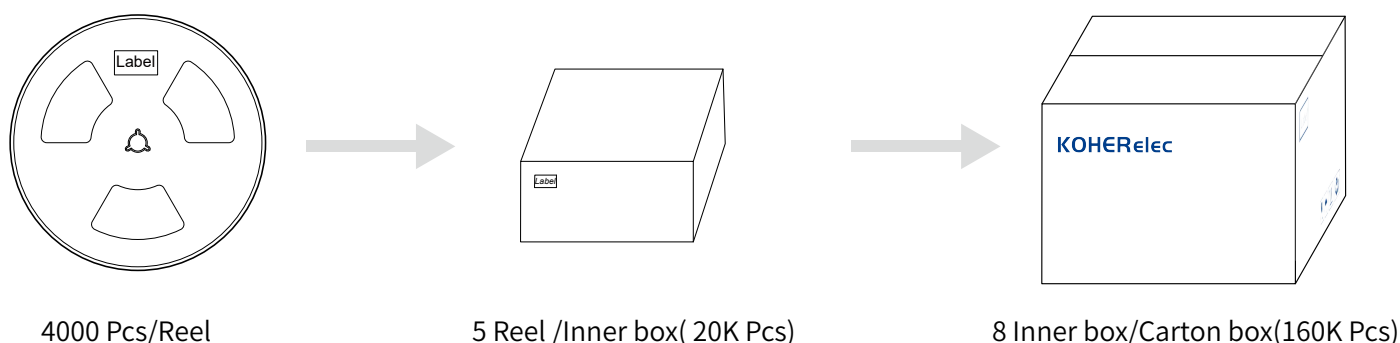


The peel force of top cover tape shall be between 0.14 to 0.58 N

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.