FBHA Series

Chip Ferrite Bead High Current Type
Size 0805

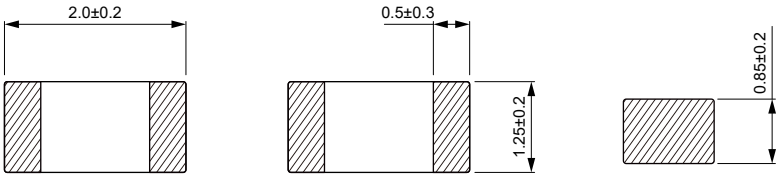
FEATURES

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

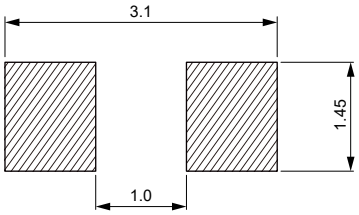
APPLICATION

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

Dimensions: [mm]



Land Pattern: [mm]

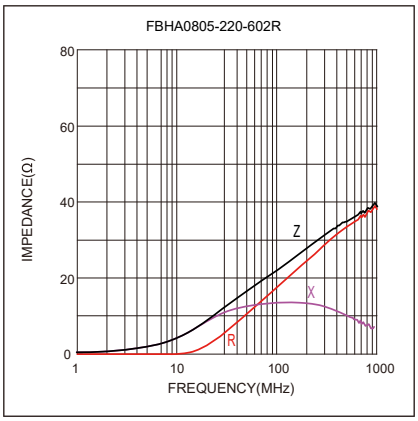


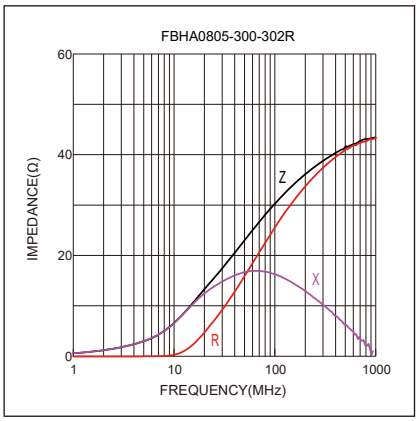
Electrical Properties:

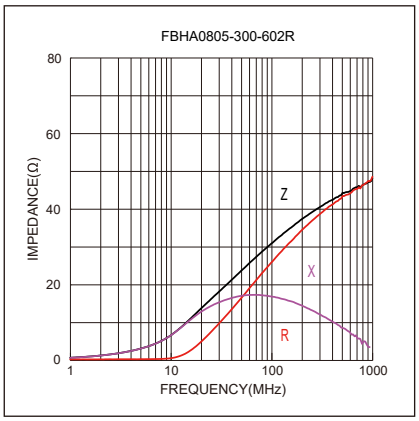
Part No	Impedance @ 100MHz (Ω)	Tolerance	DC Resistance Max. (Ω)	Temperature Rise Current Max. (mA)
FBHA0805-220-602R	22	±25%	0.01	6000
FBHA0805-300-302R	30	±25%	0.04	3000
FBHA0805-300-602R	30	±25%	0.01	6000
FBHA0805-800-302R	80	±25%	0.04	3000
FBHA0805-800-602R	80	±25%	0.01	6000
FBHA0805-101-102R	100	±25%	0.15	1000
FBHA0805-101-502R	100	±25%	0.02	5000
FBHA0805-121-202R	120	±25%	0.10	2000
FBHA0805-121-302R	120	±25%	0.04	3000
FBHA0805-151-202R	150	±25%	0.10	2000
FBHA0805-221-202R	220	±25%	0.10	2000
FBHA0805-221-302R	220	±25%	0.04	3000
FBHA0805-301-102R	300	±25%	0.20	1000
FBHA0805-331-252R	330	±25%	0.05	2500
FBHA0805-471-102R	470	±25%	0.20	1000
FBHA0805-601-102R	600	±25%	0.20	1000
FBHA0805-601-202R	600	±25%	0.10	2000
FBHA0805-102-102R	1000	±25%	0.20	1000
FBHA0805-102-152R	1000	±25%	0.15	1500

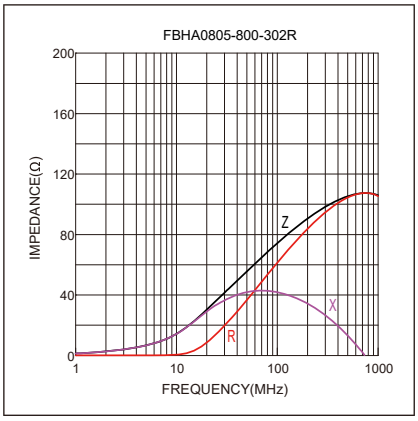
Temperature Rise Current: The actual value of DC current when the temperature rise is △T=40°C

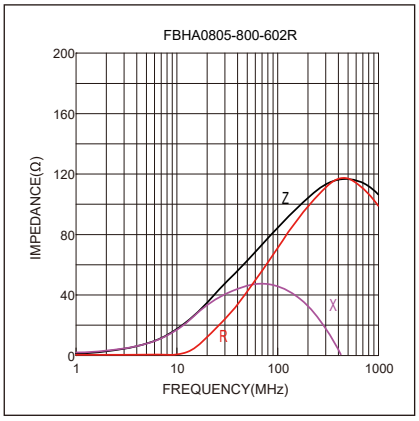
Typical Electrical Characteristics:

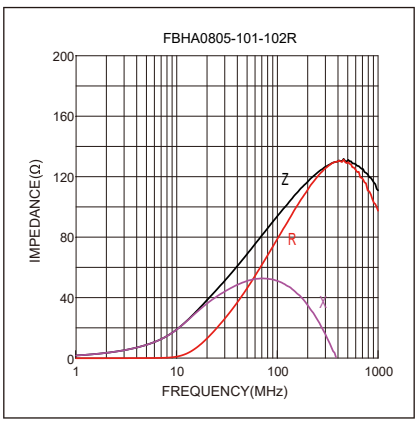


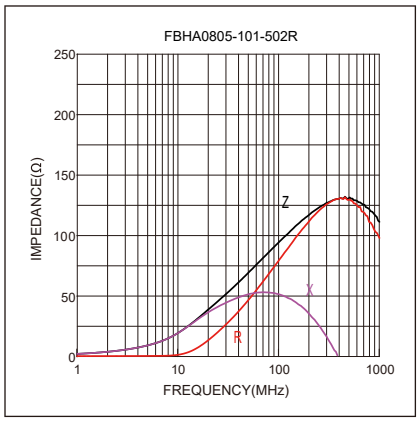


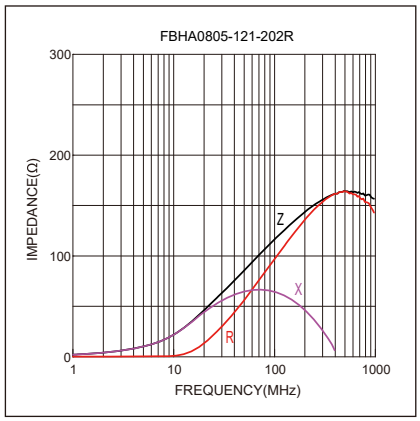


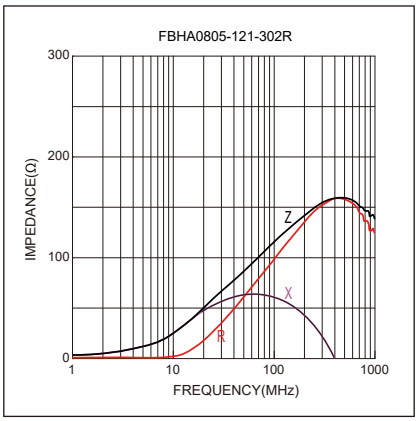


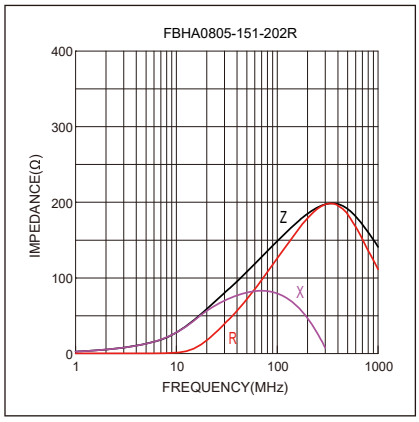


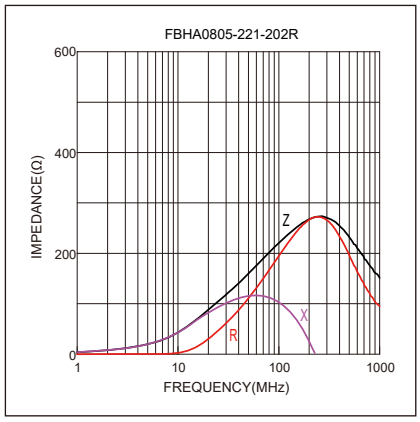


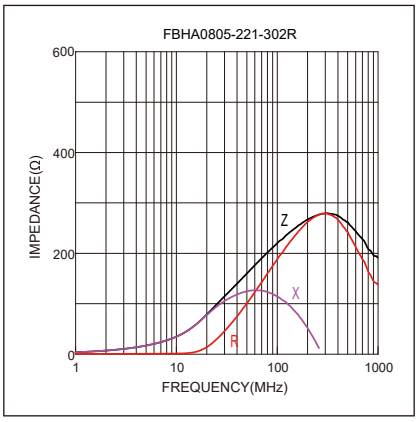












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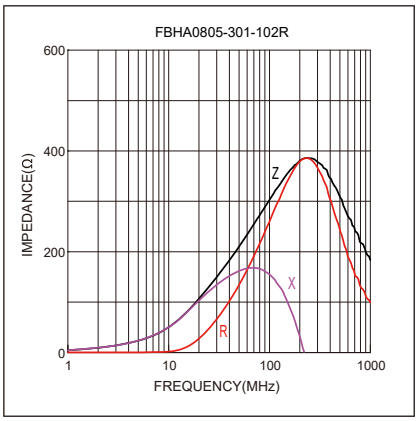
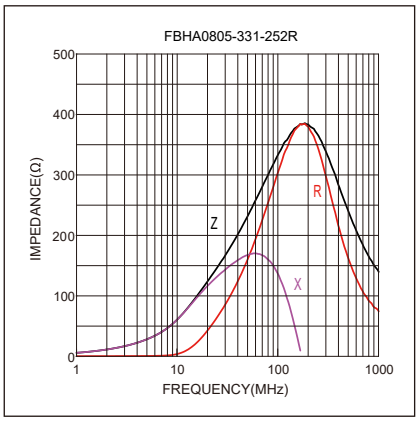
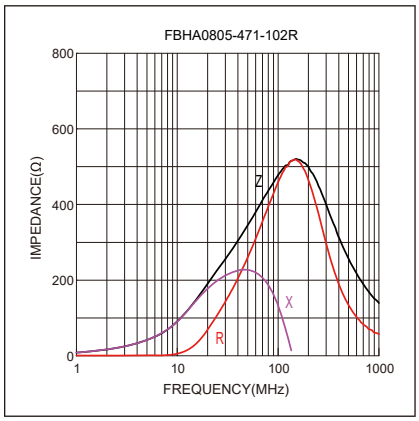
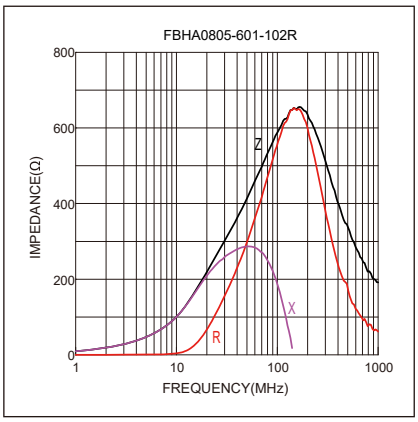
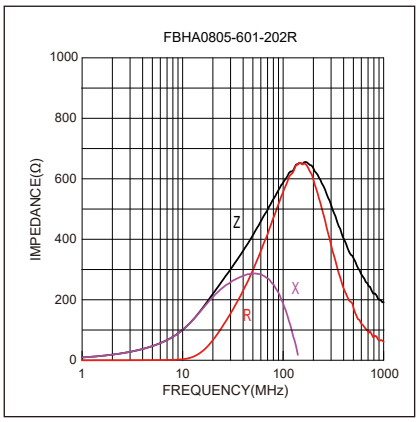
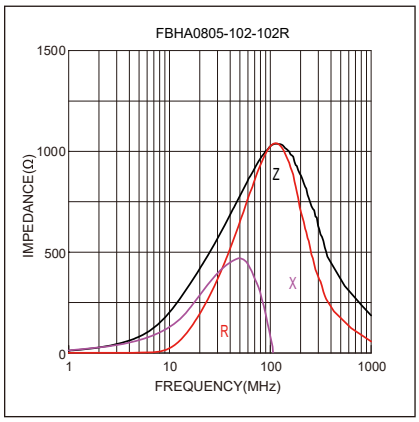


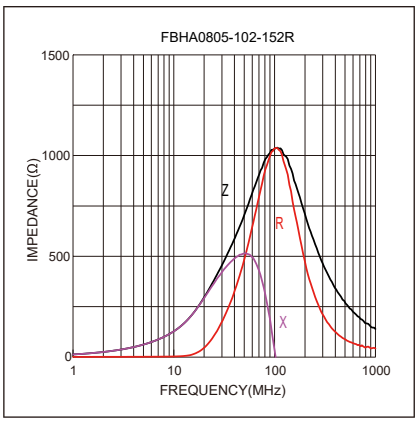




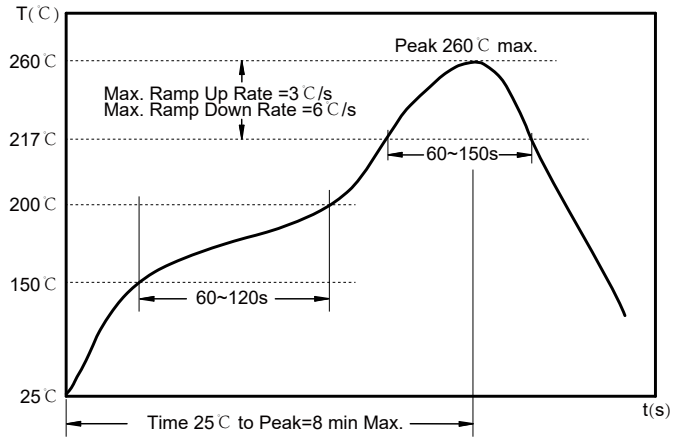








Soldering Reflow:



Preheat condition: 150 ~200℃/ 60~120 sec.

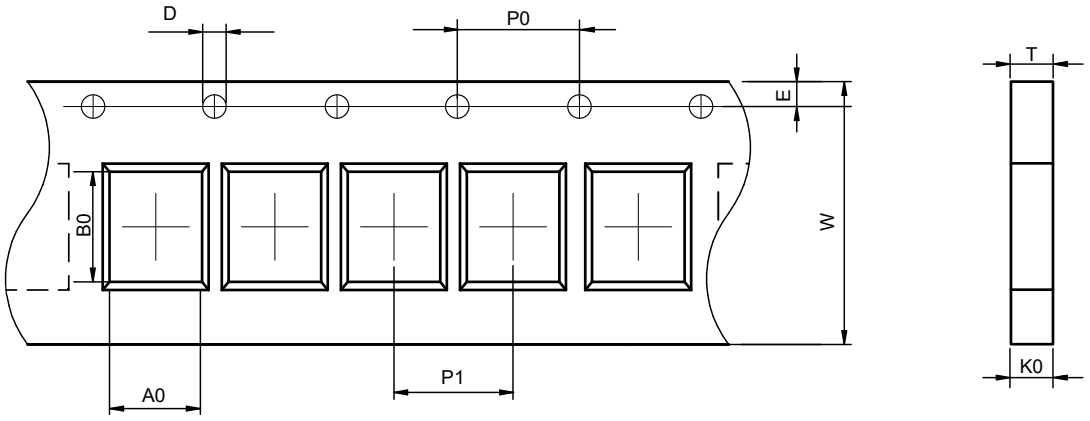
Allowed time above 217℃: 60~150 sec.

Allowed Reflow time: 3x max.

Time within 5℃ of actual Peak Temperature: 30 max. sec.

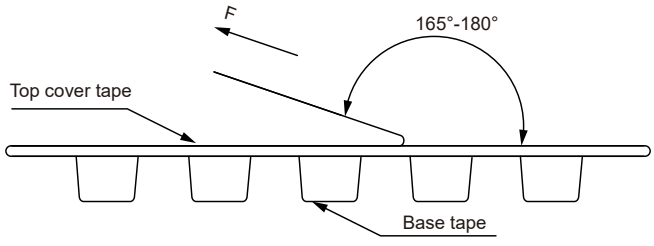
Packaging Information:

Tape Dimension:



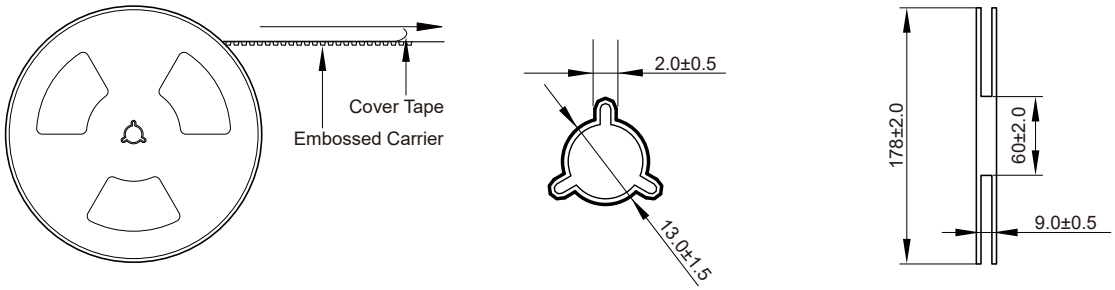
A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
1.30±0.05	2.10±0.05	1.5±0.1	4.0±0.1	4.0±0.1	8.0±0.3	0.95±0.05	1.75±0.1	0.95±0.05

Peel force of top cover tape:

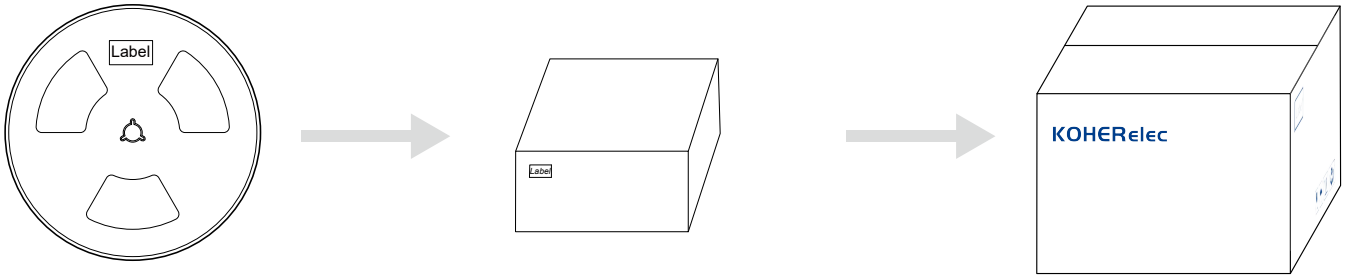


The peel force of top cover tape shall be between 0.14 to 0.58 N

Reel Dimension：[mm]



Packaging Quantity:



4000 Pcs/Reel

5 Reel /Inner box(20K Pcs)

8 Inner box/Carton box(160K Pcs)

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.