

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 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

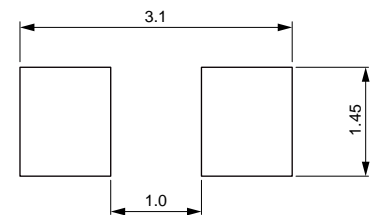
APPLICATION

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

Dimensions: [mm]



Land Pattern: [mm]

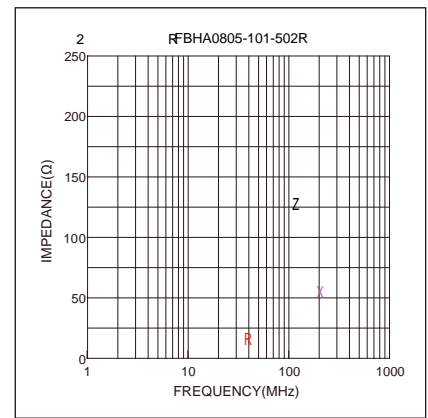
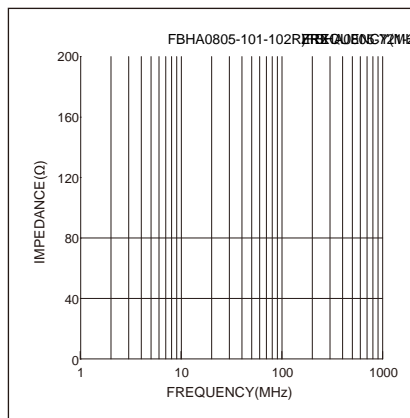
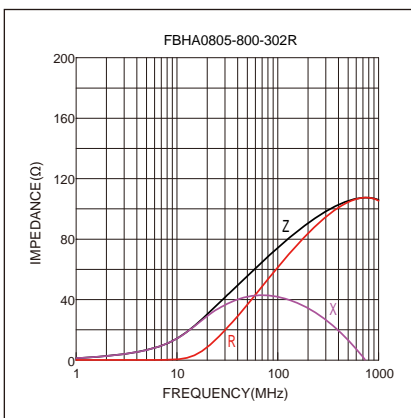
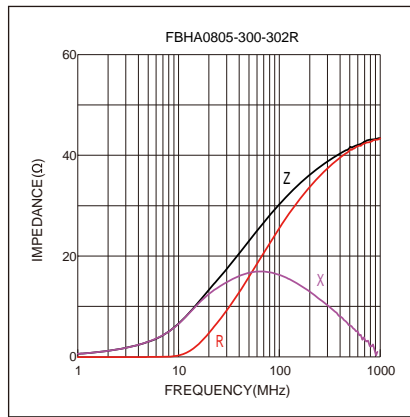


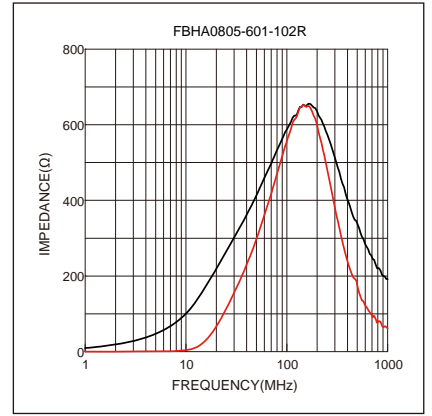
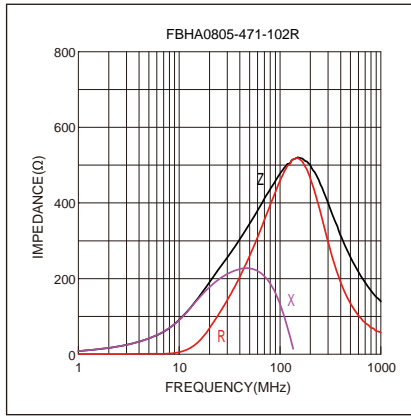
Electrical Properties:

Part No	Impedance @ 100MHz	Tolerance	DC Resistance	Temperature Rise Current (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
FBHA0805-101-102R	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

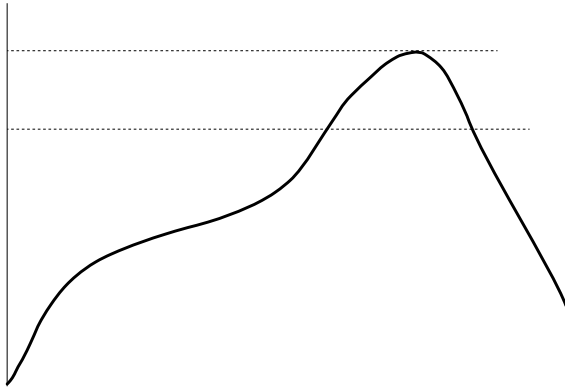
Temperature Rise Current: The actual value of DC current when the temperature rise is $\Delta T=40^{\circ}\text{C}$

Typical Electrical Characteristics:





Soldering Reflow:



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

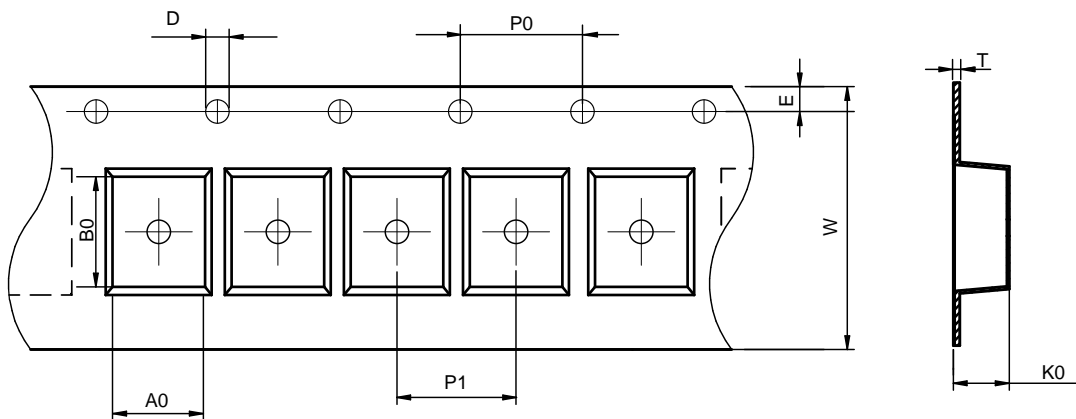
Allowed time above 217 °C: 60~150 sec.

Max temperature: 260 °C.

Allowed Reflow time: 3x max. ~~100~~

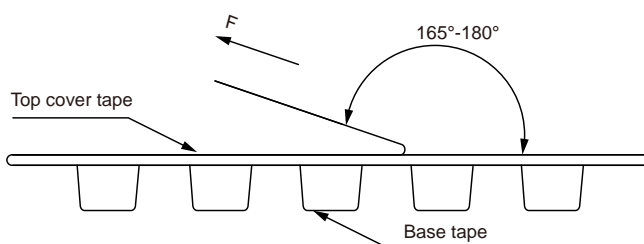
Packaging Information:

Tape Dimension :



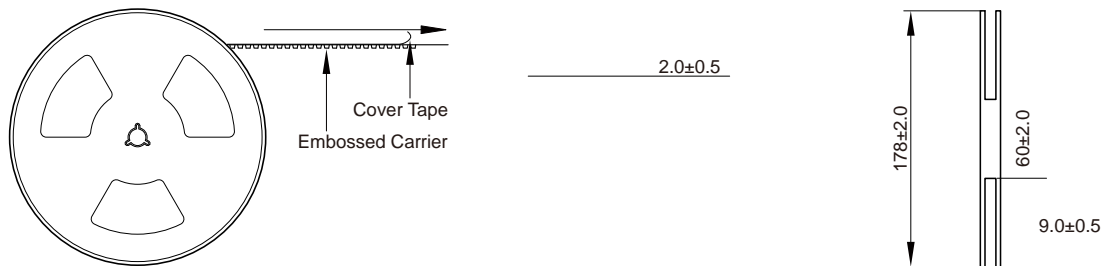
Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
FBHA0805	1.30± 0.05	2.10± 0.05	1.5± 0.1	4.0± 0.1	4.0± 0.1	8.0± 0.3	0.95± 0.05	1.75± 0.1	0.95± 0.05

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]



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
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