FBHA Series

Chip Ferrite Bead High Current Type
Size 1206



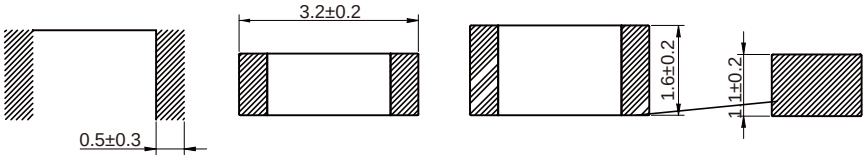
FEATURES

- Noise reduc on solu on for power line.
- Compared to the FBA series, has low direct current resistance for compa bility with lage currents,op mal for low power consump on. Various frequency characteris cs with 2 materials of di erent 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
- Opera ng temperature: -55 to +150 °C(including self-temperature rise)
- Quan ty: 3000pcs

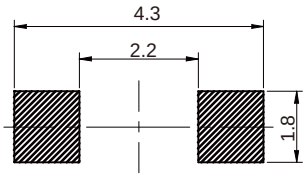
APPLICATION

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

Dimensions: [mm]



Land Pattern: [mm]

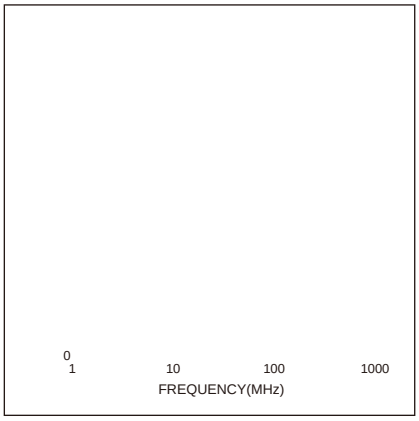


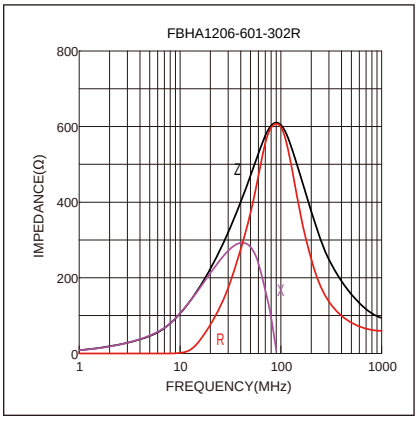
Electrical Properties:

Part No	Z @ 100 MHz	Tolerance	R_{DC}	I_R
FBHA1206-260-302R	26	±25%	0.04	3000
FBHA1206-300-302R	30	±25%	0.04	3000
FBHA1206-330-602R	33	±25%	0.01	6000
FBHA1206-500-302R	50	±25%	0.04	3000
FBHA1206-800-302R	80	±25%	0.04	3000
FBHA1206-121-202R	120	±25%	0.10	2000
FBHA1206-121-302R	120	±25%	0.04	3000
FBHA1206-151-202R	150	±25%	0.10	2000
FBHA1206-301-102R	300	±25%	0.20	1000
FBHA1206-471-102R	470	±25%	0.20	1000
FBHA1206-501-302R	500	±25%	0.04	3000
FBHA1206-601-202R	600	±25%	0.10	2000
FBHA1206-601-302R	600	±25%	0.04	3000

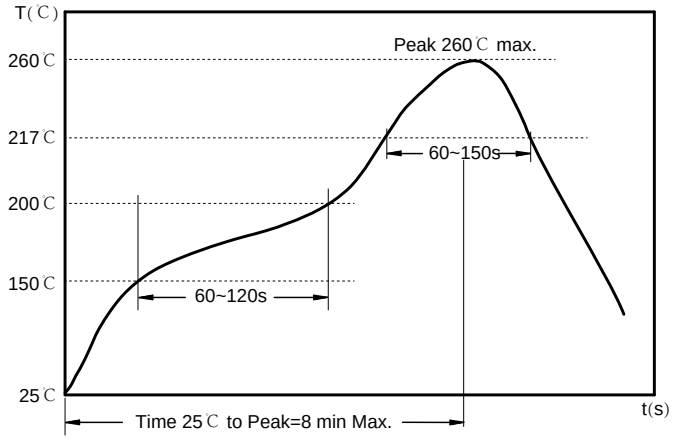
I_R refering to 40K self-hea ng above ambient temperature

Typical Electrical Characteristics:




FBHA1206-601-302R
800
600
400
200
0
IMPEDANCE(Ω)
Z
X
R
1
10
100
1000
FREQUENCY(MHz)

Soldering Reflow:



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

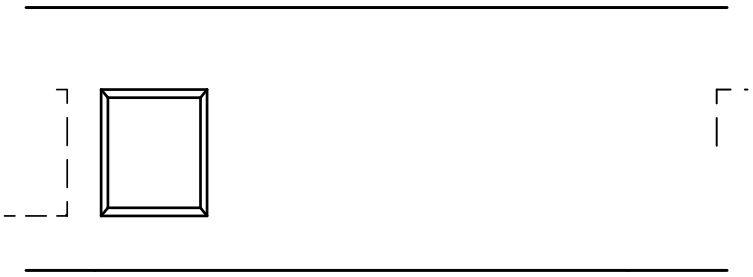
Allowed time above 217℃: 60~150 sec.

Max temperature: 260℃.

Allowed Reflow time: 3x max.

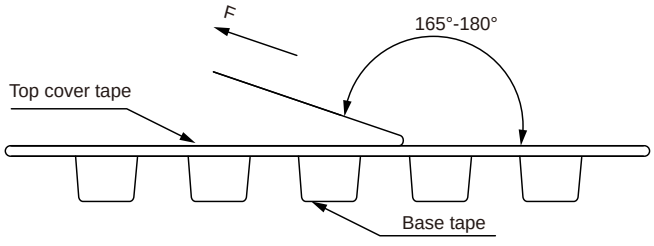
Packaging Information:

Tape Dimension:



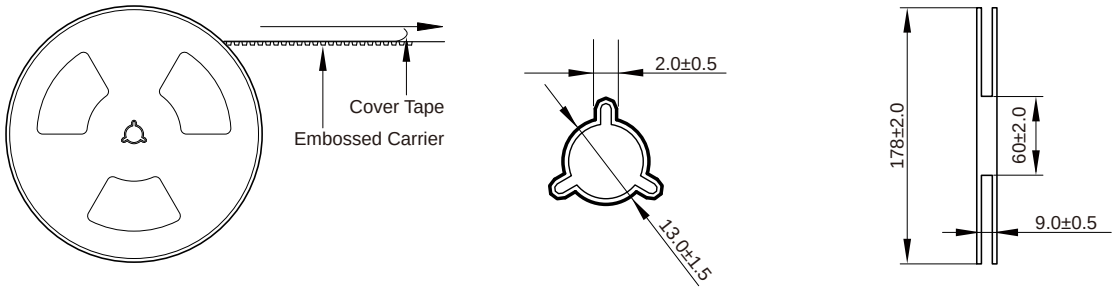
Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
FBHA1206	1.75 ± 0.1	3.35 ± 0.1	1.5 ± 0.1	4.0 ± 0.1	4.0 ± 0.1	8.0 ± 0.3	1.25 ± 0.1	1.75 ± 0.1	0.23 ± 0.05

Peel force of top cover tape:

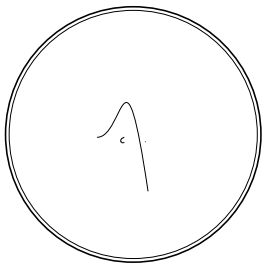


The peel force of top cover tape shall be between 0.14 to 0.58 N

Reel Dimension：[mm]



Packaging Quantity:



3000 Pcs/Reel	5 Reel /Inner box(15K Pcs)	8 Inner box/Carton box(120K 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.