FBHA S Series

Chip Ferrite Bead High Current Type
Size 0402

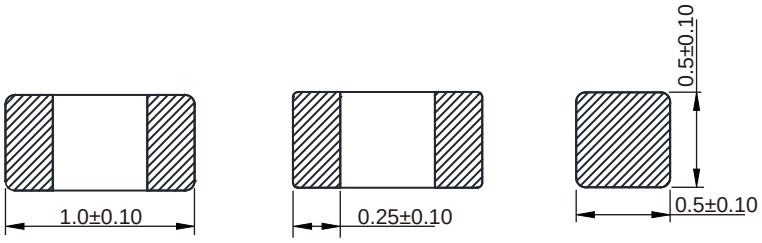
FEATURES

- 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: 10000PCS

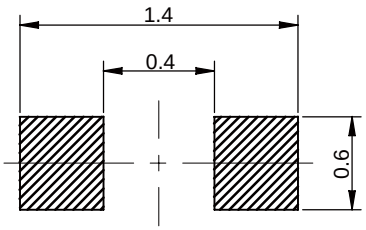
APPLICATION

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

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

	(Ω)		(Ω)	(mA)
FBHA0402S-100-402R	10	±25%	0.018	4000
FBHA0402S-300-302R	30	±25%	0.022	3000
FBHA0402S-800-232R	80	±25%	0.038	2300
FBHA0402S-121-202R	120	±25%	0.050	2000
FBHA0402S-221-152R	220	±25%	0.095	1500
FBHA0402S-301-122R	300	±25%	0.150	1200
FBHA0402S-471-112R	470	±25%	0.180	1100
FBHA0402S-601-102R	600	±25%	0.200	1000

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

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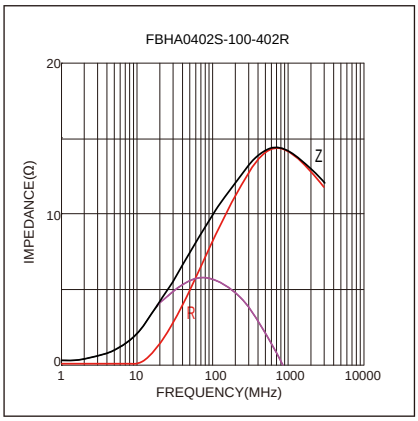
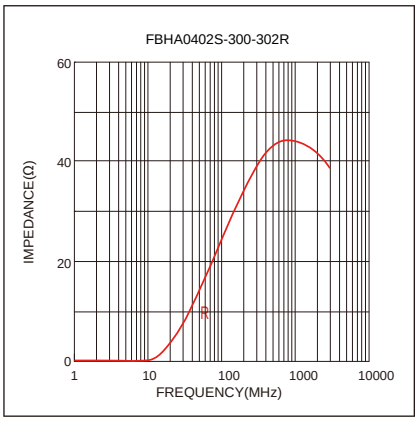
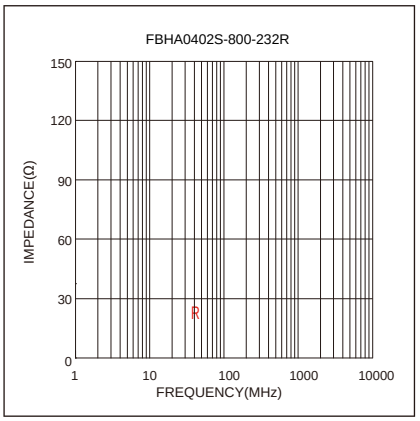
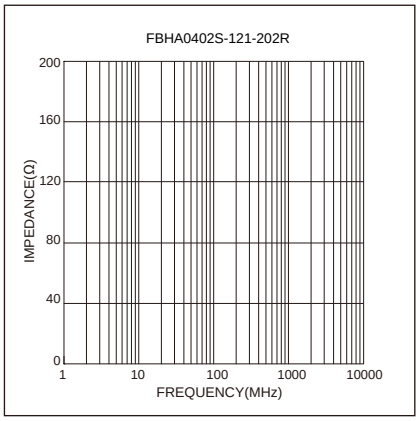
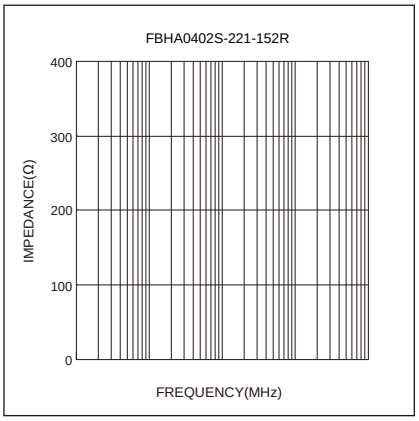
Typical Electrical Characteristics:

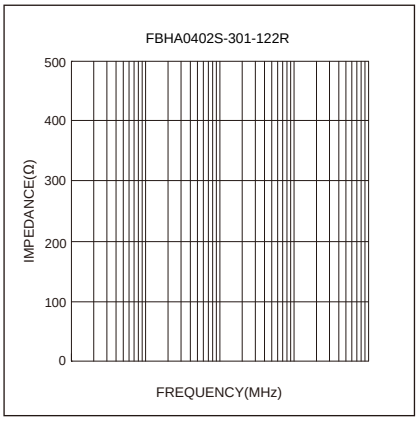


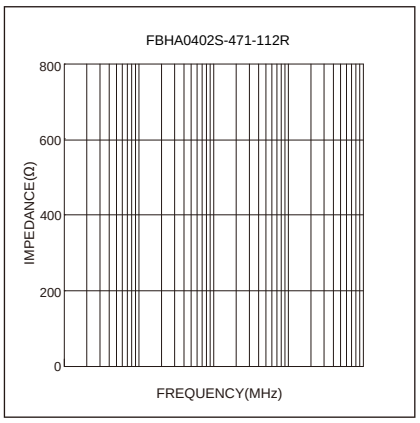


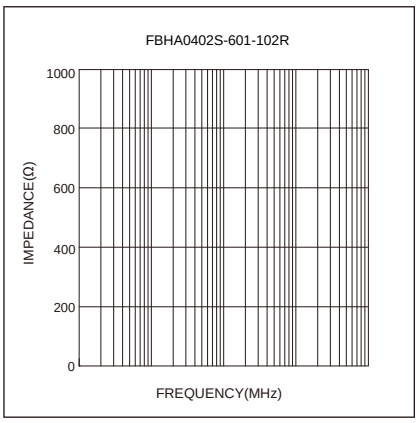




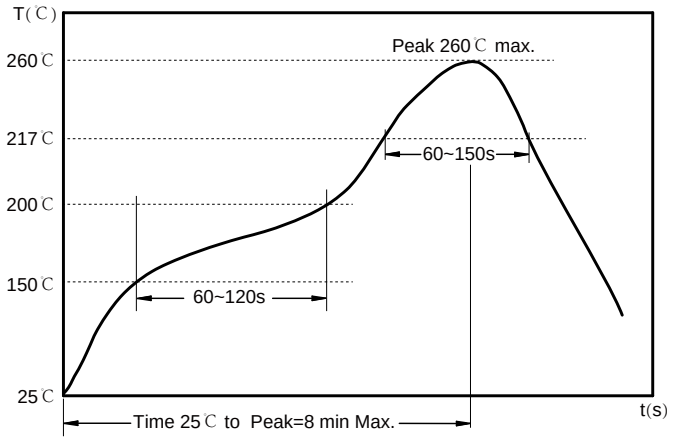








Soldering Reflow:



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

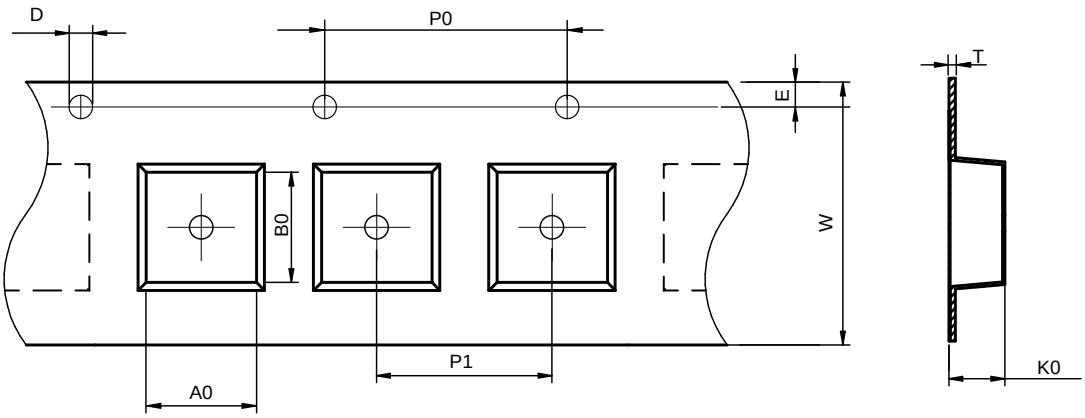
Allowed time above 217℃: 60~150 sec.

Max temperature: 260℃.

Allowed Reflow time: 3x max.

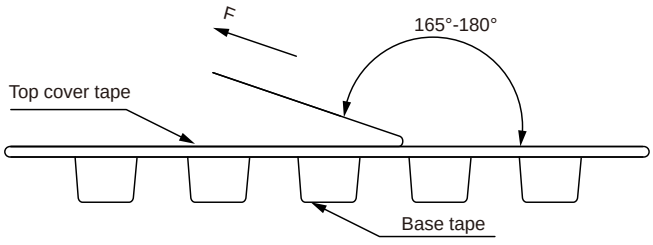
Packaging Information:

Tape Dimension:



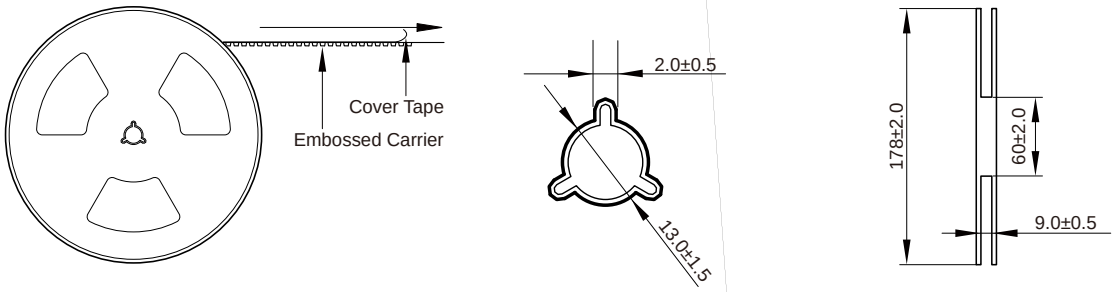
Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
FBHA0402S	0.62±0.03	1.12±0.03	1.5±0.1	4.0±0.1	2.0±0.1	8.0±0.3	0.60±0.03	1.75±0.1	0.60±0.03

Peel force of top cover tape:

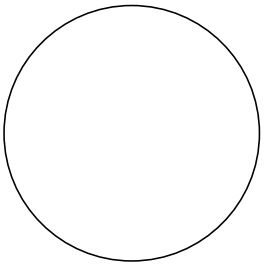


The peel force of top cover tape shall be between 0.14 to 0.58 N

Reel Dimension：[mm]



Packaging Quantity:



10000 Pcs/Reel

5 Reel /Inner box(50K Pcs)

8 Inner box/Carton box(400K 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.