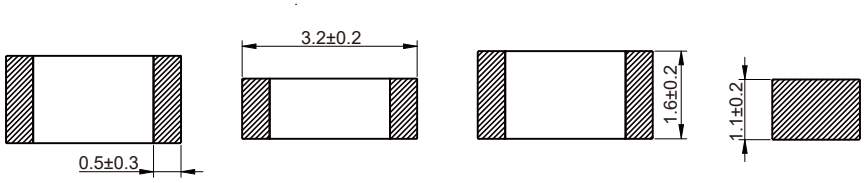
FBA Series
Chip Ferrite Bead SMD Type
Size 1206

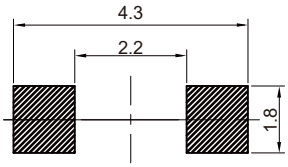
FEATURES
- Noise reduction solution for general signal line.
- Various frequency characteristics with 2 materials of different features for countermeasures against everything from general signals to high-speed signals
- AEC-Q200 qualified
- Operating temperature:-55°to +150°C
- Quantity: 3000pcs

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

Dimensions: [mm]



Land Pattern: [mm]

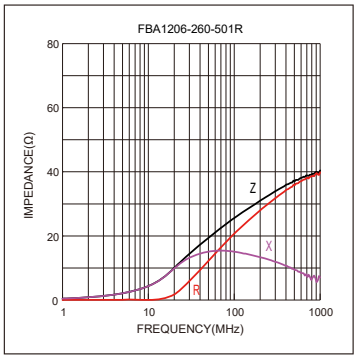


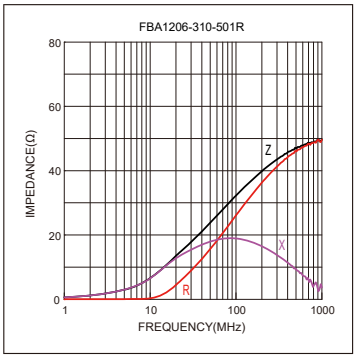
Electrical Properties:

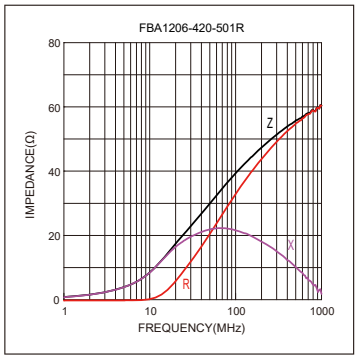
Part No	Z @ 100 MHz (Ω)	Tolerance	R_{DC} (Ω)	I_R (mA)
FBA1206-260-501R	26	±25%	0.20	500
FBA1206-310-501R	31	±25%	0.20	500
FBA1206-420-501R	42	±25%	0.20	500
FBA1206-500-501R	50	±25%	0.20	500
FBA1206-700-501R	70	±25%	0.20	500
FBA1206-900-501R	90	±25%	0.20	500
FBA1206-121-901R	120	±25%	0.15	900
FBA1206-151-901R	150	±25%	0.15	900
FBA1206-221-701R	220	±25%	0.35	700
FBA1206-301-701R	300	±25%	0.35	700
FBA1206-471-401R	470	±25%	0.35	400
FBA1206-601-401R	600	±25%	0.40	400

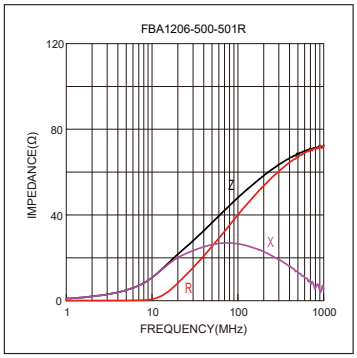
I_R refering to 20K self-heating above ambient temperature

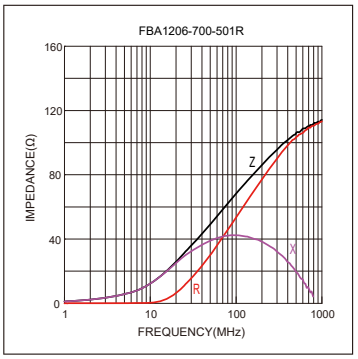
Typical Electrical Characteristics:

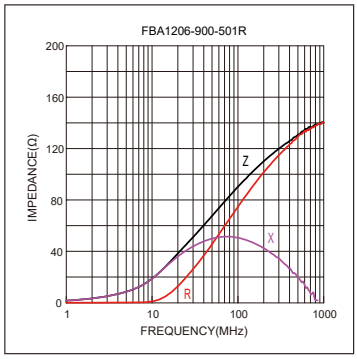


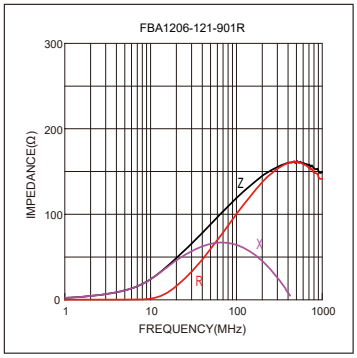


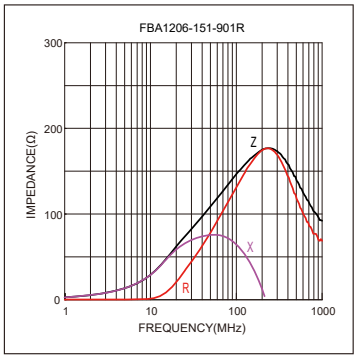


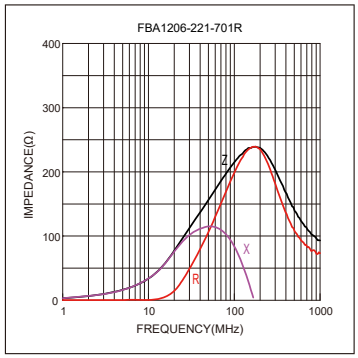


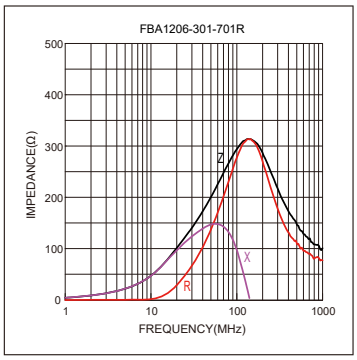


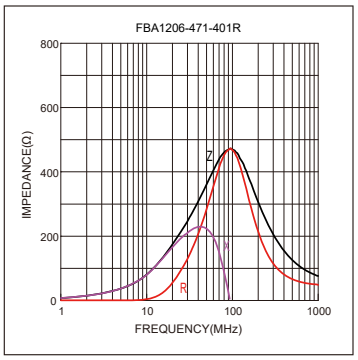


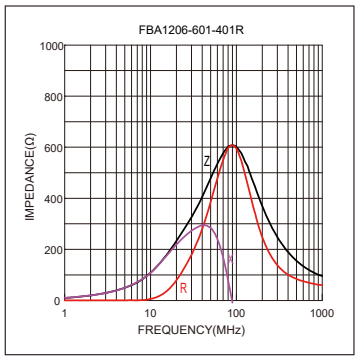




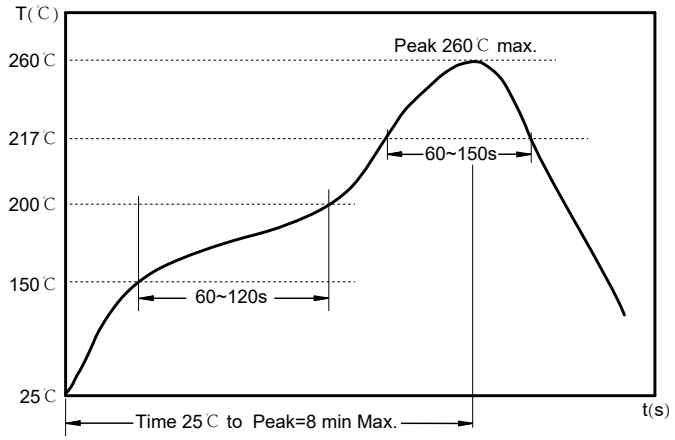








Soldering Reflow:



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

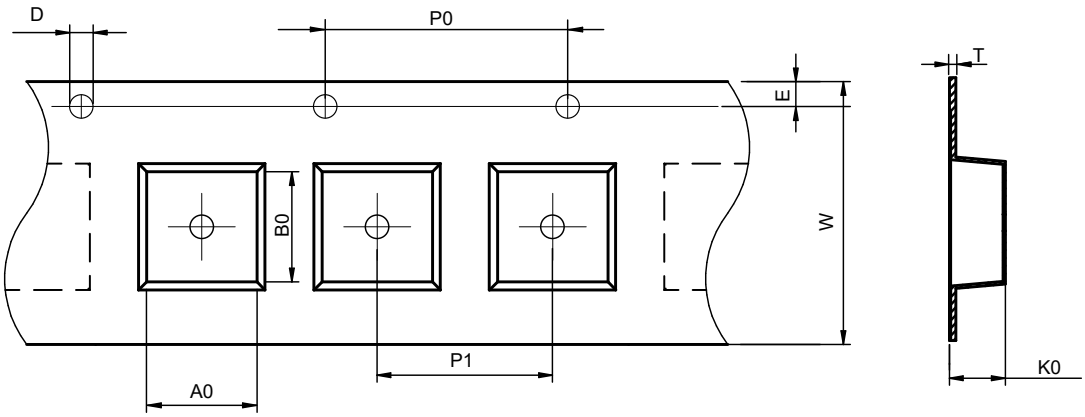
Allowed time above 217℃: 60~150 sec.

Max temperature: 260℃.

Allowed Reflow time: 3x max.

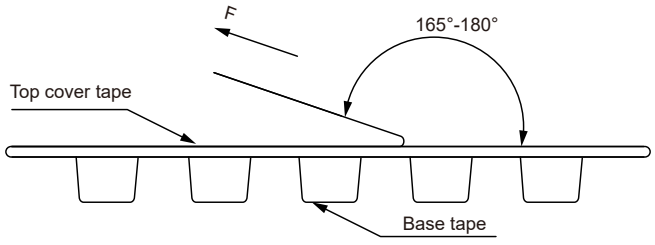
Packaging Information:

Tape Dimension:



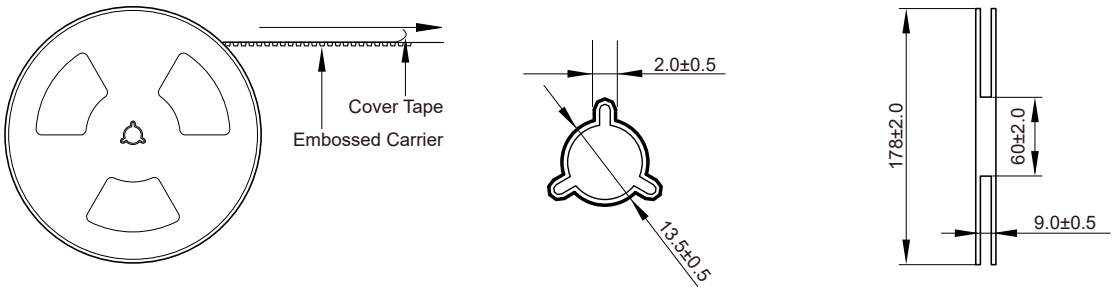
Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
FBA1206	1.75±0.10	3.35±0.10	1.5±0.10	4.0±0.10	4.0±0.10	8.0±0.10	1.25±0.10	1.75±0.10	0.23±0.05

Peel force of top cover tape:

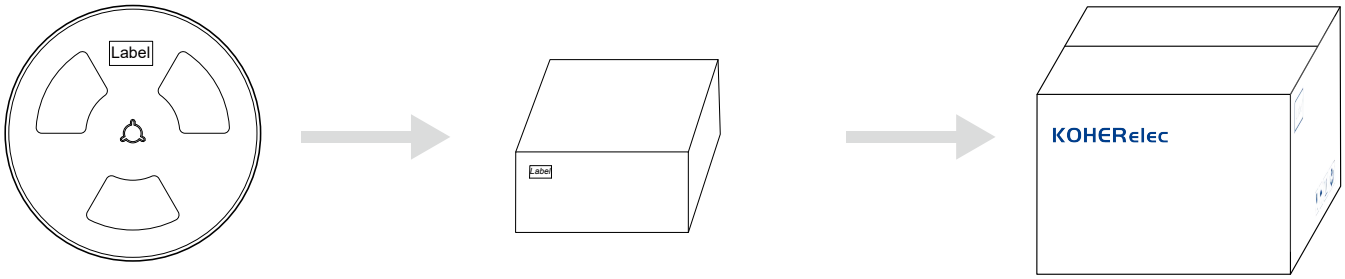


The peel force of top cover tape shall be between 0.14 to 0.58 N

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.