

# FBHE Series

## Chip Ferrite Bead High Current Type

### Size 0805

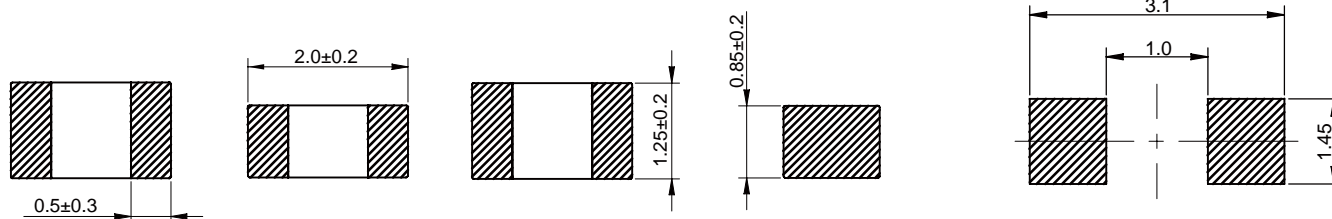
#### CHARACTERISTICS



#### APPLICATION

Dimensions: [mm]

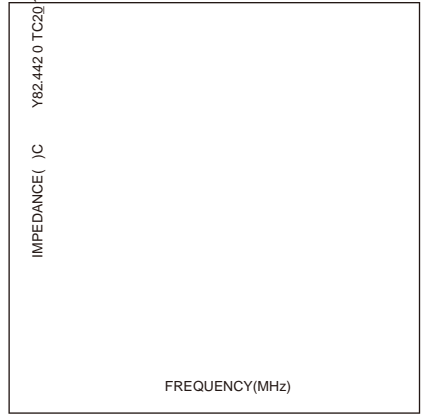
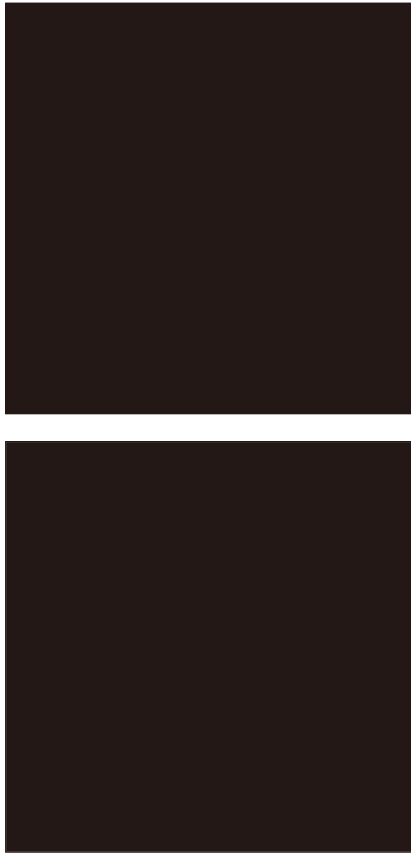
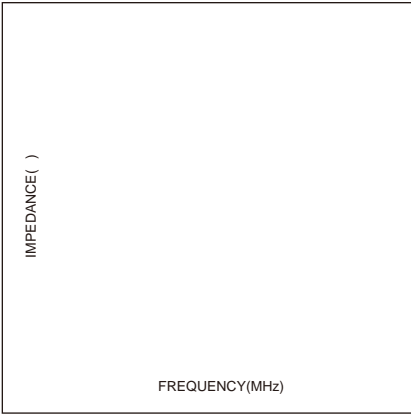
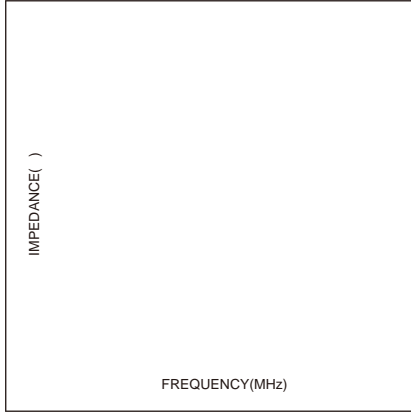
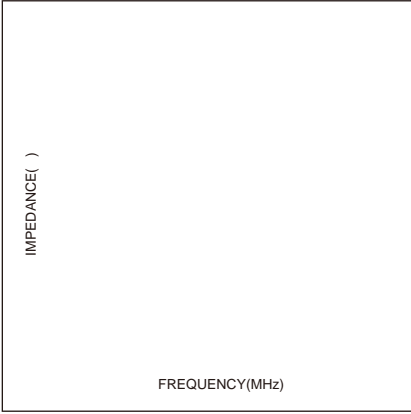
Land Pattern: [mm]



Electrical Properties:

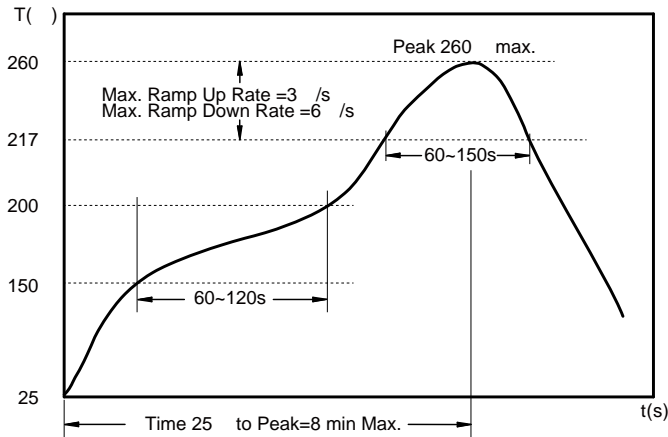
Part Number	Impedance )	Test Frequency (MHz)	DC Resistance )max.	Rated Current (mA)max.
FBHE0805-300-302R	30±25%	100	0.04	3000
FBHE0805-300-602R	30±25%	100	0.01	6000
FBHE0805-600-402R	60±25%	100	0.03	4000
FBHE0805-800-302R	80±25%	100	0.04	3000
FBHE0805-121-202R	120±25%	100	0.10	2000
FBHE0805-121-402R	120±25%	100	0.02	4000
FBHE0805-151-202R	150±25%	100	0.10	2000
FBHE0805-221-202R	220±25%	100	0.10	2000
FBHE0805-601-202R	600±25%	100	0.10	2000
FBHE0805-301-102R	300±25%	100	0.20	1000
FBHE0805-471-102R	470±25%	100	0.20	1000
FBHE0805-601-102R	600±25%	100	0.20	1000

# Typical Electrical Characteristics:



T10...3892 118.20781(C)9 Td1 5.2285 112.5332 263.3892 Tm(FR)TE)TP.008 0 Td(QUEN)TC)TB.621 0 Td(Y(MHz)9)14TT49 T908.2285 0 395.3647 313.4385 Trn(i)TP.286 0 Td(M)TP.8

## Soldering Reflow:



Preheat condition: 150 ~200  $^{\circ}\text{C}$  / 60~120 sec.

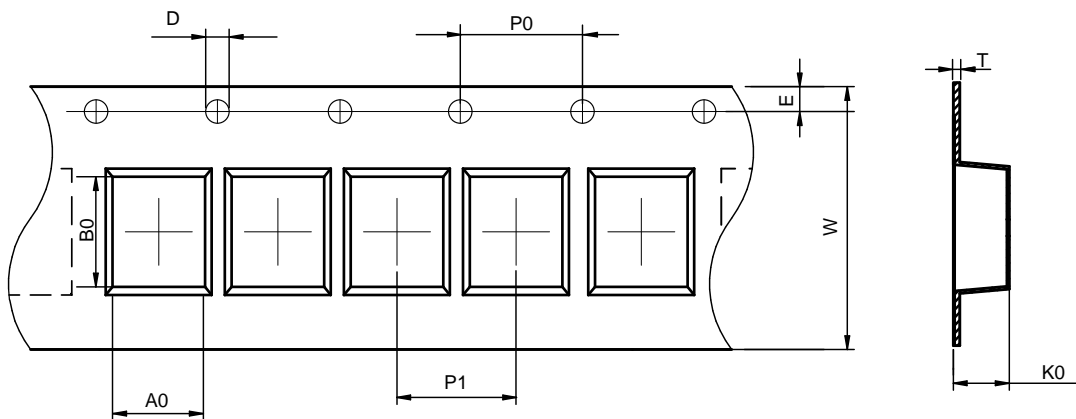
Allowed time above 217  $^{\circ}\text{C}$  : 60~150 sec.

Max temperature: 260  $^{\circ}\text{C}$  .

Time within 5  $^{\circ}\text{C}$  of actual Peak Temperature: 30 sec. max.

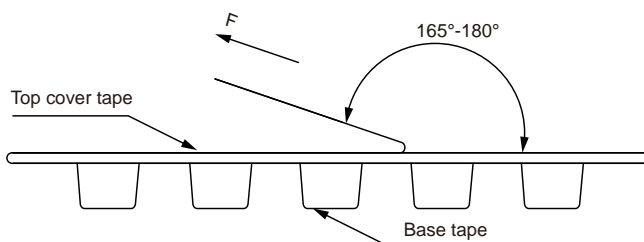
## Packaging Information:

Tape Dimension :



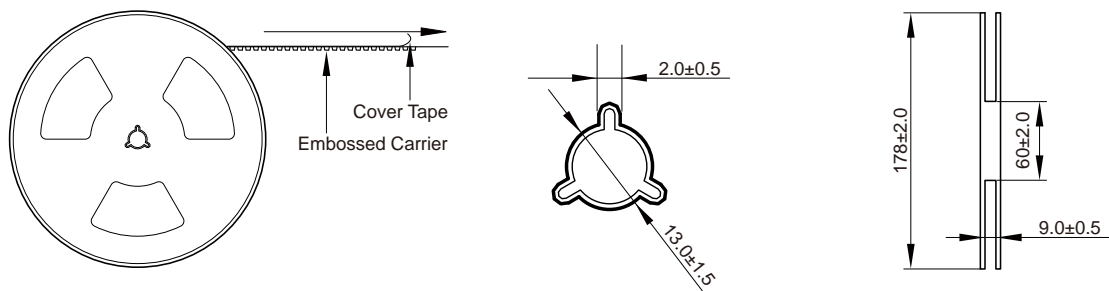
Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
0805	1.3 $\pm$ 0.1	2.1 $\pm$ 0.1	1.5 $\pm$ 0.2	4.0 $\pm$ 0.1	4.0 $\pm$ 0.1	8.0 $\pm$ 0.3	0.95 $\pm$ 0.1	1.75 $\pm$ 0.1	0.95 $\pm$ 0.05

Peel force of top cover tape:

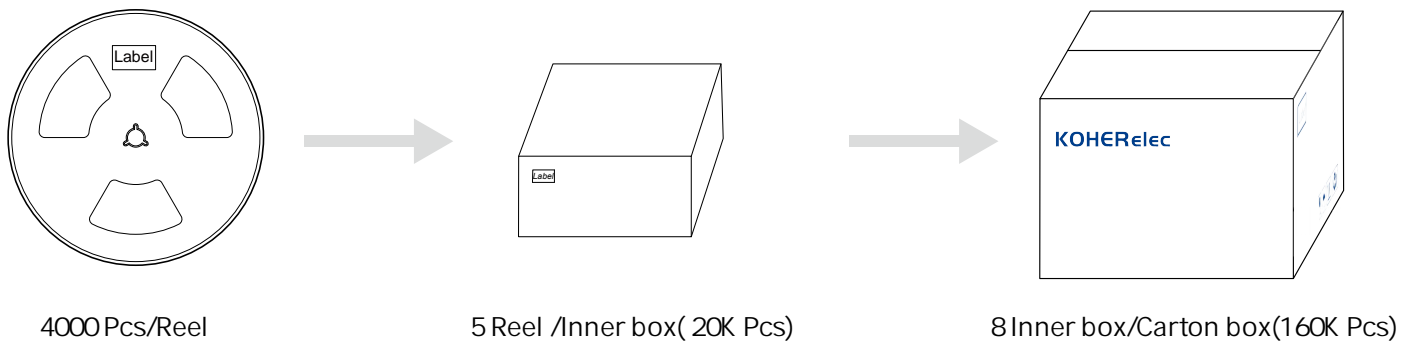


The peel force of top cover tape shall be between 0.14 to 0.58 N

## Reel Dimension : [mm]



## Packaging Quantity:



## 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.