

#### **BCMA Series**

# Common Mode Filters For Automotive Power Line Size 1513



#### **FEATURES**

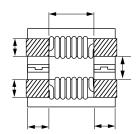
- High common mode impedance cause excellent noise suppression performance.
- °C

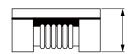
#### **APPLICATIONS**

 Measures against common mode noise in power lines various electronic devices

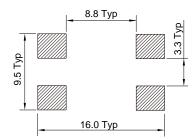
Dimensions: [mm]







Land Pattern: [mm]



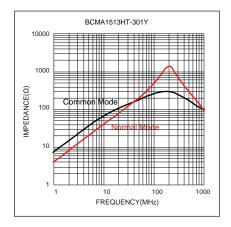
## **Electrical Properties:**

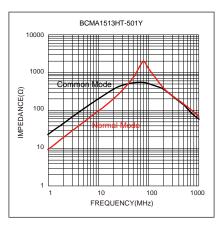
Part No	Z @ 100 MHz Min.	Z @ 100 MHz Typ.	I <sub>R</sub> Max.	R <sub>DC</sub> Max.	V <sub>DC</sub> Max. (V	IR Min.
			9			

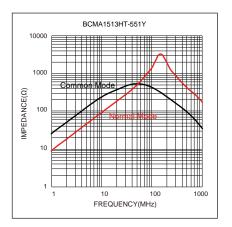
Temperature Rise Current: The actual value of DC current when the temperature rise is  $\triangle T$ =40°C

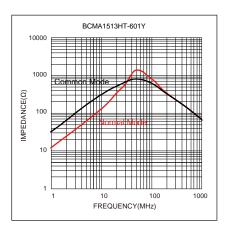


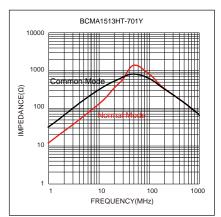
# Typical Electrical Characteristics:

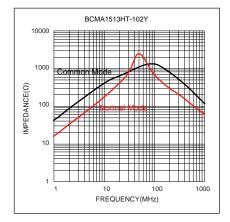


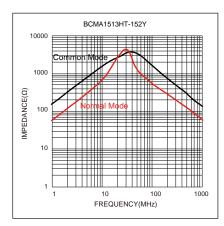






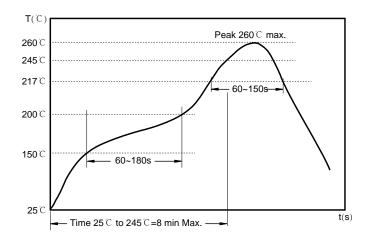








## Soldering Reflow:



Preheat condition: 150 ~200  $^{\circ}$ C / 60~180 sec.

Allowed time above 217°C: 60~150 sec.

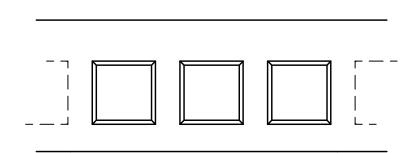
Max temperature: 260 °C.

Max time at max temperature: 10 sec.

Allowed Reflow time: 3x max.

# Packaging Information:

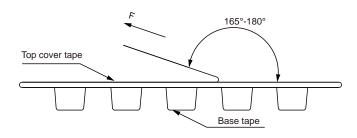
Tape Dimension:





Series	A0	B0	D	P0	P1	W	K0	E	T
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	_ (mm)	(mm)	(mm)
BCMA1513HT	14.0±0.1	16.0±0.1	1.5±0.1	4.0±0.1	20.0±0.1	24.0±0.3	6.2±0.1	1.75±0.1	0.40±0.05

#### Peel force of top cover tape:



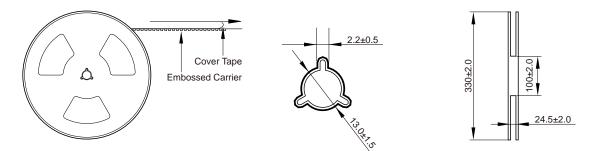
The peel force of top cover tape shall be between 0.10 to  $1.17~\mathrm{N}$ 

## **Product Marking:**

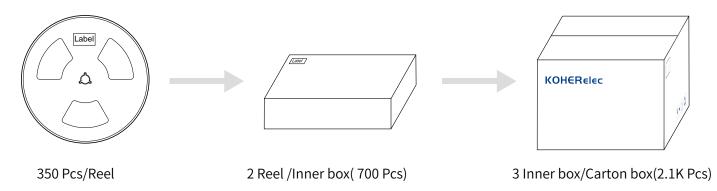
Marking Printing (Impedance)
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### Reel Dimension: [mm]



#### 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.