

BCMA Series

Common Mode Filters For Automotive Power Line Size 9070



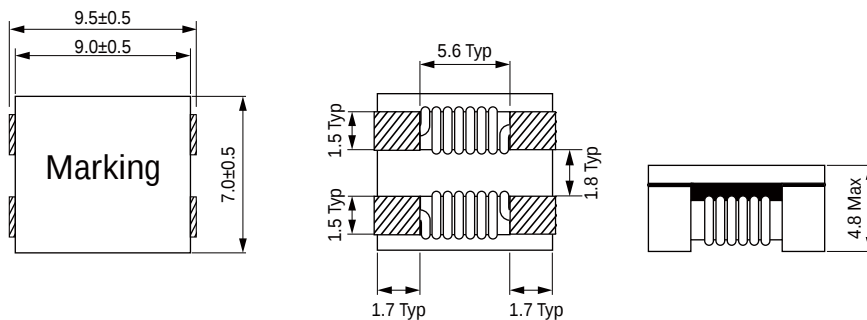
FEATURES

- Exclusive square type closed magnetic core designed as an exclusive core is used, so it can be small while maintaining the same features.
- Low profile design makes it optimal for surface mounting.
- Excellent impedance characteristics, making it great for suppressing common mode noise.
- Operating temperature range: -40 to $+125^{\circ}\text{C}$
- AEC-Q200 qualified
- Quantity: 800pcs

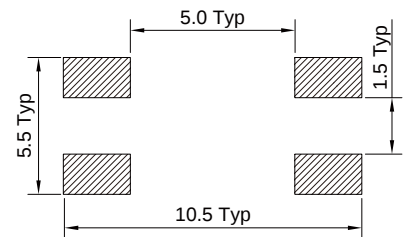
APPLICATIONS

- Measures against common mode noise in power lines for various DC power lines, multimedia devices, and various electronic devices

Dimensions: [mm]



Land Pattern: [mm]

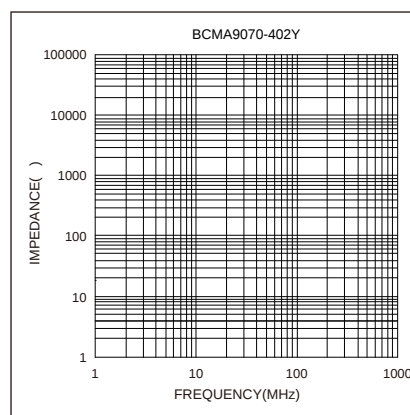
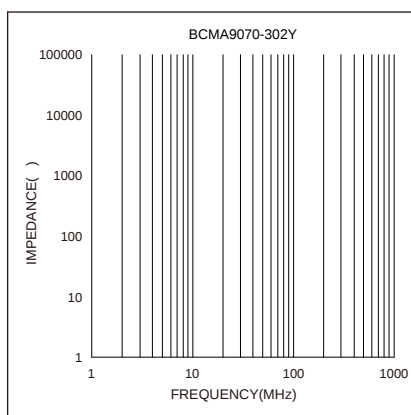
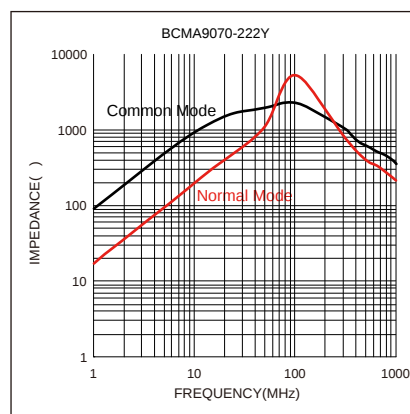
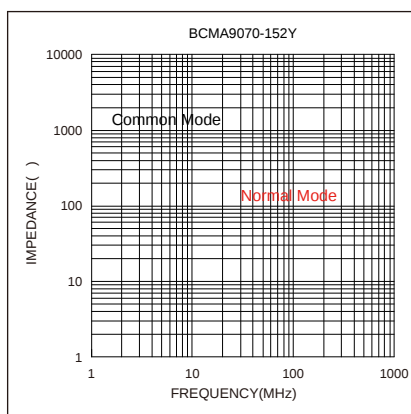
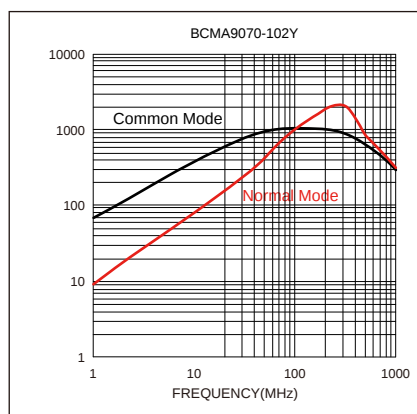
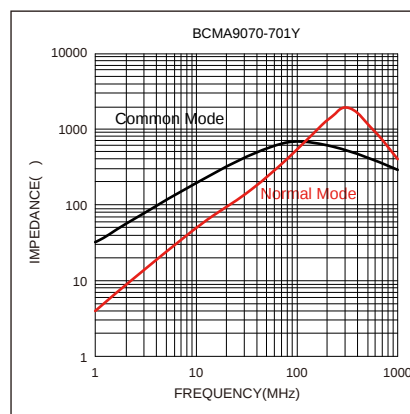
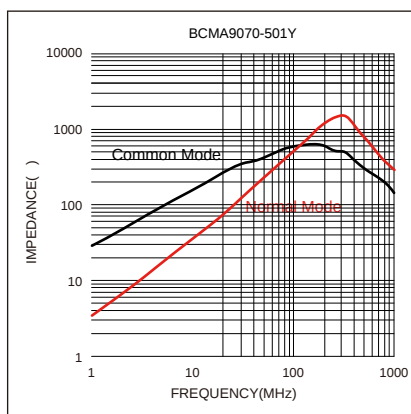
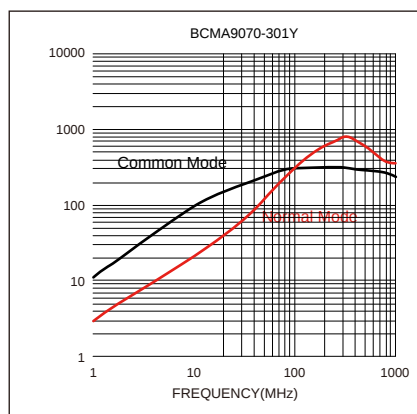


Electrical Properties:

Part No	Impedance Min.	Impedance Typ.	Test Frequency @0.1V	Temperature Rise Current Max.	DC Resistance Max.	Rated Voltage Max.	IR Min.
BCMA9070-301Y	225	300	100MHz	6.0	6	80	10
BCMA9070-501Y	450	500	100MHz	5.5	8	80	10
BCMA9070-701Y	500	700	100MHz	5.0	10	80	10
BCMA9070-102Y	750	1000	100MHz	4.0	13	80	10
BCMA9070-152Y	1000	1500	100MHz	4.5	15	80	10
BCMA9070-222Y	1700	2200	50MHz	3.0	50	80	10
BCMA9070-272Y	2000	2700	100MHz	3.5	32	80	10
BCMA9070-302Y	2500	3000	100MHz	1.9	85	80	10
BCMA9070-402Y	3300	4000	50MHz	1.8	100	80	10

Temperature Rise Current: The actual value of DC current when the temperature rise is $\Delta T=40^{\circ}\text{C}$

Typical Electrical Characteristics:



Soldering Reflow:

Preheat condition: 150 ~200℃ / 60~180 sec.
 Allowed time above 217℃ : 60~150 sec.
 Max temperature: 260℃ .
 Max time at max temperature: 10 sec.
 Allowed Reflow time: 3x max.231 0 Td00120017000F0011

Packaging Information:

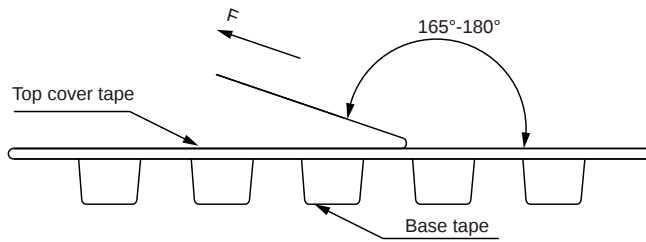
Tape Dimension :

A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
7.6±0.1	9.60±0.1	1.5±0.1	4.0±0.1	16.0±0.1	24.0±0.3	5.10±0.1	1.75±0.1	0.35±0.05

Product Marking:

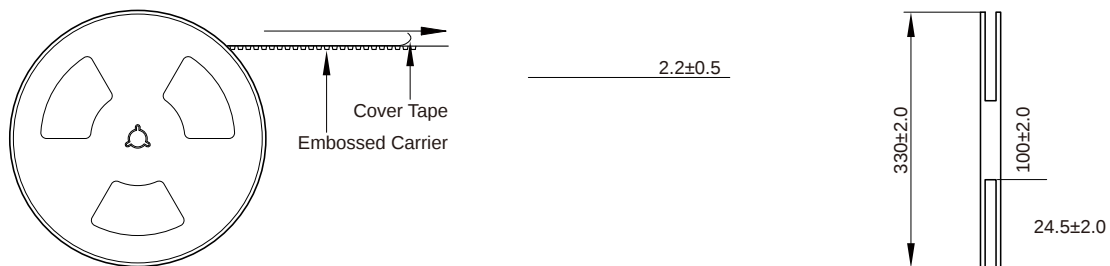
Marking	Printing (Impedance)
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Peel force of top cover tape:

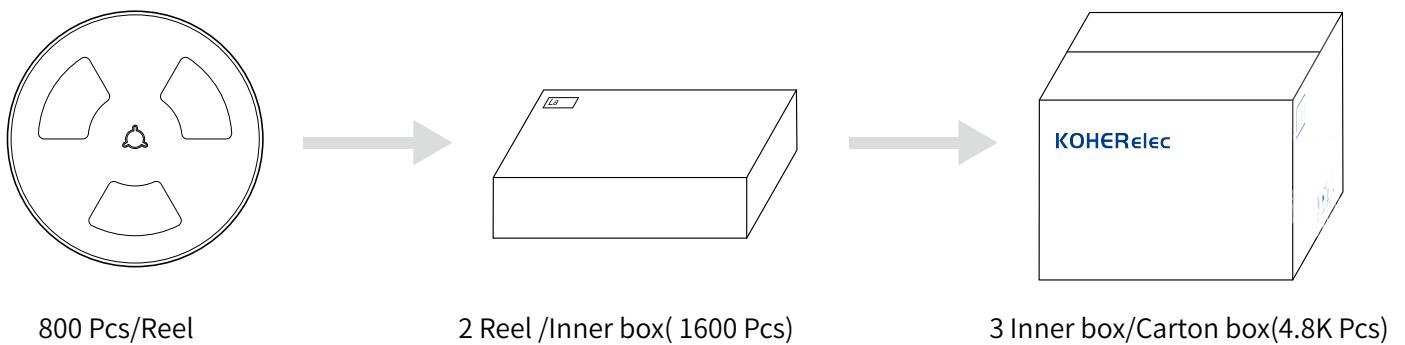


The peel force of top cover tape shall be between 0.10 to 1.17 N

Reel Dimension: [mm]



Packaging Quantity:



Cautions and Warnings:

Storage Conditions: