

# MULTILAYER FERRITE CHIP BEAD (PB-Series)

## PB Series - For High Current Use

Chilisin offers hundreds of multi-layered ferrite chip beads with various sizes, frequency characteristics and a board range of impedance values to provide a powerful solutions for EMI problems.



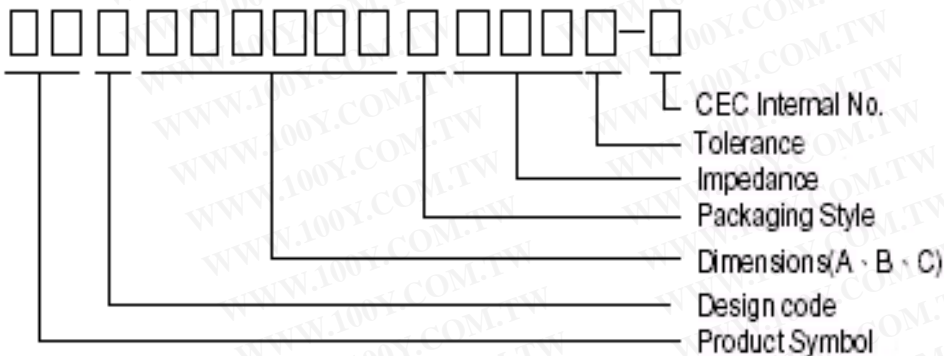
## Feature

- Suitable for high current applications
- Small package size-EIA STD 0402/0603/0805/1206/1806 and 1812
- Nickel barrier terminations provide excellent solder heat resistance
- Current rating up to 6 AMPS ( max ) ( high current handling capacity)
- Low DCR
- Suitable for flow and reflow soldering
- Available in 7 sizes

## Applications

- High current DC power lines for USB interface circuitry, personal computers, electronic games, hard disk drives, and other general electronic equipment

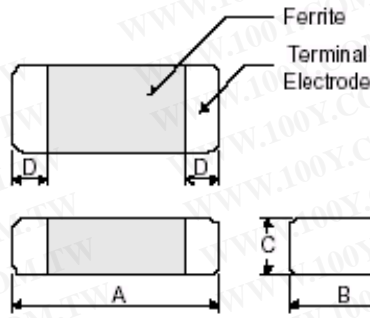
## Product Identification



勝特力材料 886-3-5753170  
勝特力电子(上海) 86-21-54151736  
勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

- Product Symbol:PB
- Packaging Style: T: Tape and Reel; B: Bulk
- Tolerance: Y= $\pm 25\%$ ;M= $\pm 20\%$
- Note: CHILISIN has released lead-free products of PB series which are RoHS compliant, and CEC Internal No. will be changed to "N" as identification. Ex.: PBY160808T-110Y-N.

## Shapes and Dimensions

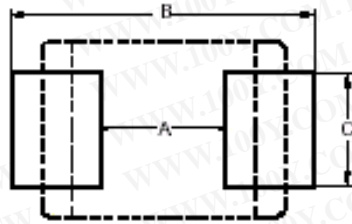


Unit: mm

TYPE	A	B	C	D
PB 100505 (0402)	1.0±0.10	0.50±0.10	0.5±0.10	0.25±0.10
PB 160808 (0603)	1.6±0.20	0.80±0.20	0.8±0.20	0.3±0.20
PB 201209 (0805)	2.0±0.20	1.25±0.20	0.9±0.20	0.5±0.30
PB 201212 (0805)	2.0±0.20	1.25±0.20	1.25±0.20	0.5±0.30
PB 321611 (1206)	3.2±0.20	1.60±0.20	1.1±0.20	0.5±0.30
PB 322513 (1210)	3.2±0.20	2.50±0.20	1.3±0.20	0.5±0.30
PB 451616 (1806)	4.5±0.25	1.60±0.20	1.6±0.20	0.5±0.30
PB 453215 (1812)	4.5±0.25	3.20±0.20	1.5±0.20	0.5±0.30

## Recommended Pattern

Unit: mm



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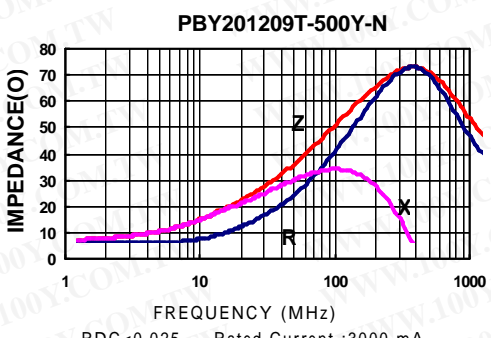
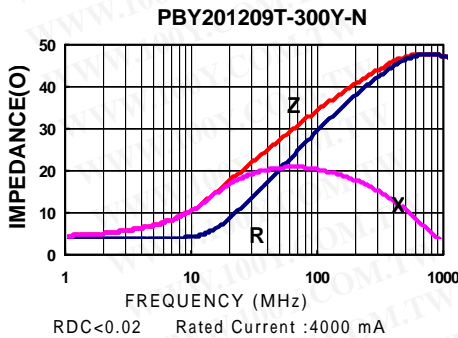
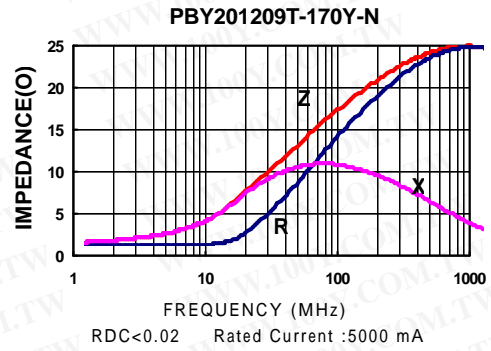
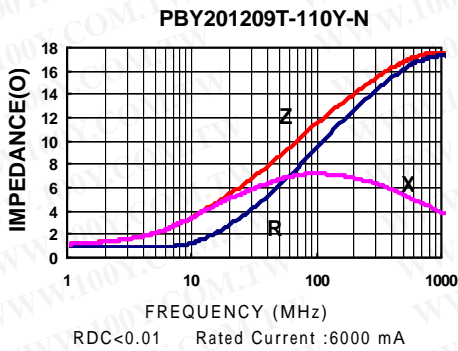
TYPE	A	B	C
PB 100505 (0402)	0.4	1.2 ~ 1.4	0.4
PB 160808 (0603)	0.8	2.4 ~ 3.4	0.6
PB 201209 (0805)	1.2	3.0 ~ 4.0	1.0
PB 201212 (0805)	1.2	3.0 ~ 4.0	1.0
PB 321611 (1206)	2.0	4.2 ~ 5.2	1.2
PB 322513 (1210)	2.0	5.5 ~ 6.5	1.8
PB 451616 (1806)	3.0	5.5 ~ 6.5	1.2
PB 453215 (1812)	3.0	5.5 ~ 6.5	2.4

# SMD Multilayer Ferrite Chip Beads – PB201209 Series

## Electrical Characteristics

Part Number	Test Frequency (MHz)	Impedance ( ±25%)	D.C. Resistance ( ) Max	Rated current (mA) Max
PBY201209T-110Y-N	100	11	0.01	6000
PBY201209T-170Y-N	100	17	0.02	5000
PBY201209T-300Y-N	100	30	0.015	4000
PBY201209T-500Y-N	100	50	0.025	3000
PBY201209T-600Y-N	100	60	0.03	3000
PBY201209T-800Y-N	100	80	0.04	3000
PBY201209T-121Y-N	100	120	0.04	3000
PBY201209T-201Y-N	100	200	0.05	2500
PBY201209T-301Y-N	100	300	0.08	2000
PBY201209T-601Y-N	100	600	0.10	2000
PBY201209T-102Y-N	100	1000	0.12	1500

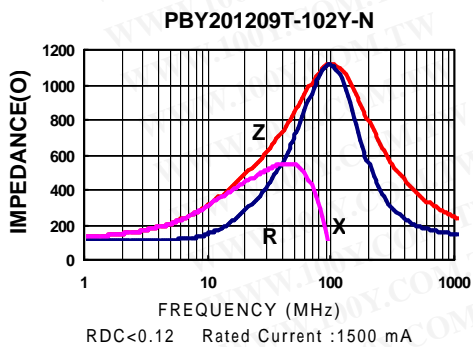
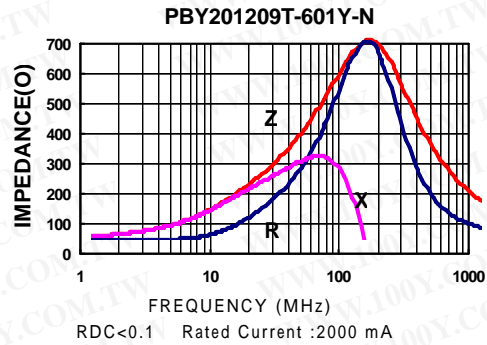
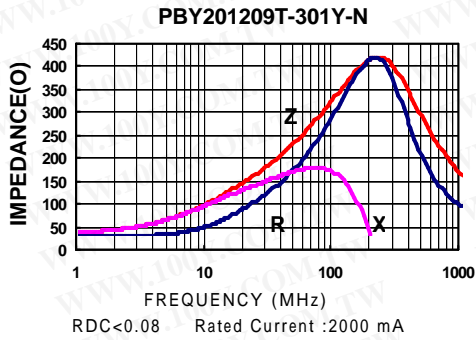
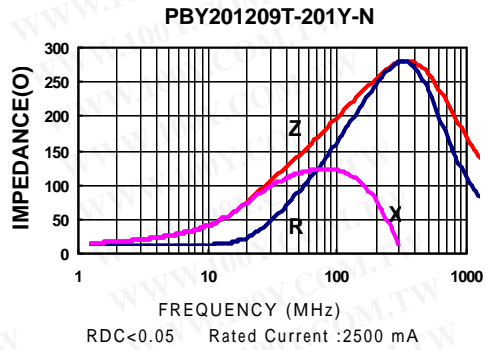
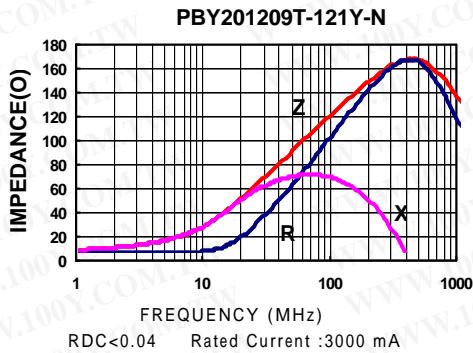
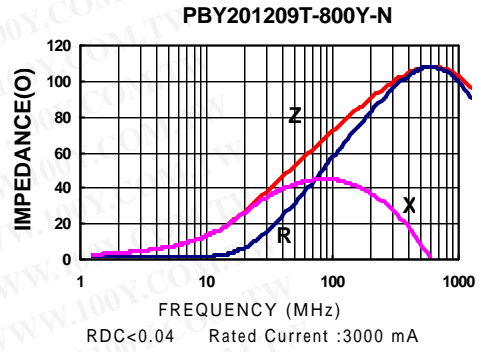
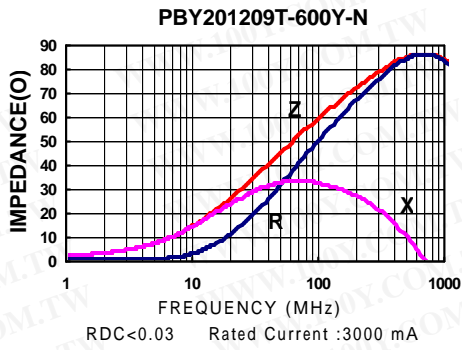
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