

MULTILAYER

FERRITE CHIP BEAD (SB Series)

SB Series - For General 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.



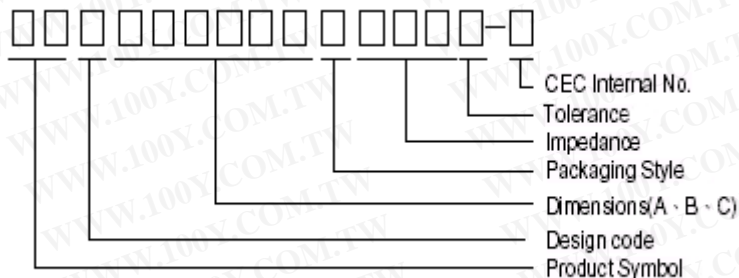
Feature

- Standard type used to suppress lower-frequency, lower current signals.
- Impedance over a broad frequency range.
- Suitable for flow and reflow soldering.
- Available in 8 sizes.

Applications

- I/O ports, DC power lines, and Signal lines.
- Computer and peripheral products.
- Consumer electronic products.

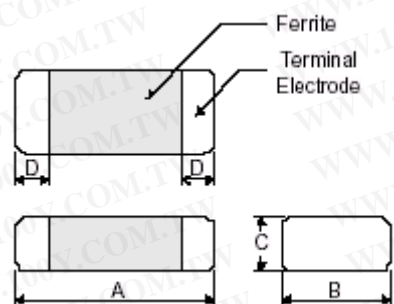
Product Identification



- Product Symbol: SB
- Packaging Style: T: Tape and Reel; B: Bulk
- Tolerance: Y=±25%;M=±20%
- Note: CHILISIN has released lead-free products of SB series which are RoHS compliant, and CEC Internal No. will be changed to "N" as identification. Ex.: SBY100505T-060Y-N.

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
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Shapes and Dimensions

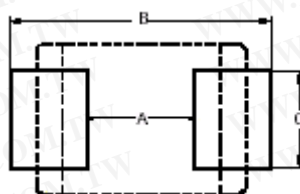


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Unit: mm

TYPE	A	B	C	D
SB 100505 (0402)	1.0±0.10	0.50±0.10	0.5±0.10	0.25±0.10
SB 160808 (0603)	1.6±0.20	0.80±0.20	0.8±0.20	0.3±0.20
SB 201209 (0805)	2.0±0.20	1.25±0.20	0.9±0.20	0.5±0.30
SB 201212 (0805)	2.0±0.20	1.25±0.20	1.25±0.20	0.5±0.30
SB 321611 (1206)	3.2±0.20	1.60±0.20	1.1±0.20	0.5±0.30
SB 321616 (1206)	3.2±0.20	1.60±0.20	1.6±0.20	0.5±0.30
SB 322513 (1210)	3.2±0.20	2.50±0.20	1.3±0.20	0.5±0.30
SB 451616 (1806)	4.5±0.25	1.60±0.20	1.6±0.20	0.5±0.30
SB 453215 (1812)	4.5±0.25	3.20±0.20	1.5±0.20	0.5±0.30

Recommended Pattern



Unit: mm

TYPE	A	B	C
SB 100505 (0402)	0.4	1.2 ~ 1.4	0.4
SB 160808 (0603)	0.8	2.4 ~ 3.4	0.6
SB 201209 (0805)	1.2	3.0 ~ 4.0	1.0
SB 201212 (0805)	1.2	3.0 ~ 4.0	1.0
SB 321611 (1206)	2.0	4.2 ~ 5.2	1.2

SB 321616 (1206)	2.0	4.2 ~ 5.2	1.2
SB 322513 (1210)	2.0	5.5 ~ 6.5	1.8
SB 451616 (1806)	3.0	5.5 ~ 6.5	1.2
SB 453215 (1812)	3.0	5.5 ~ 6.5	2.4

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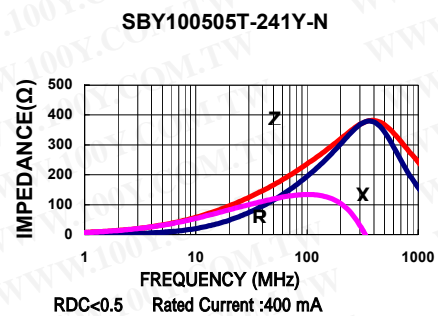
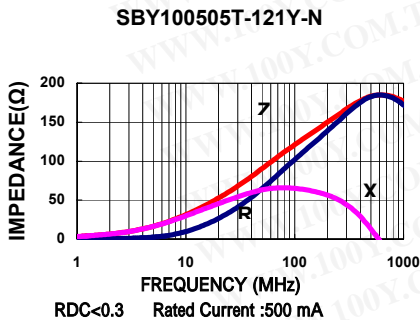
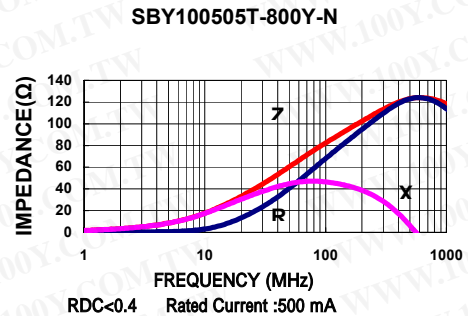
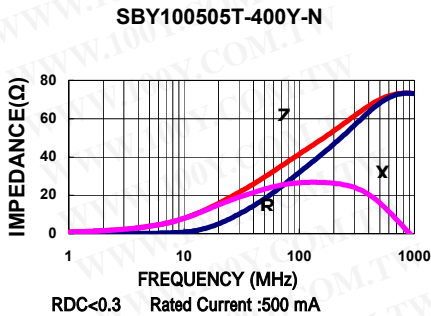
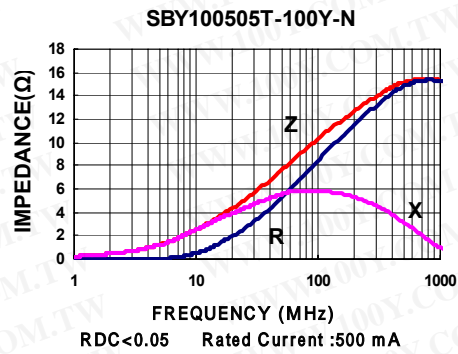
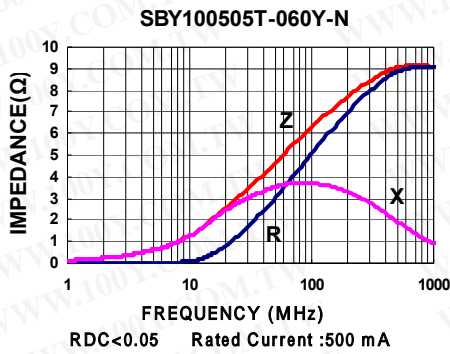
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Electrical Characteristics

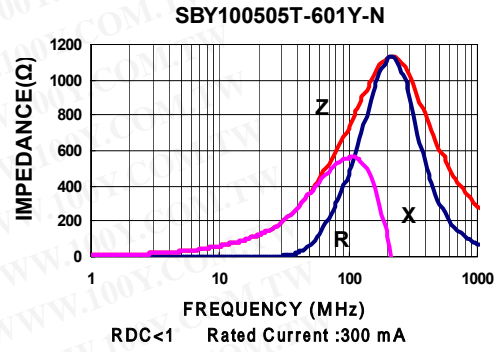
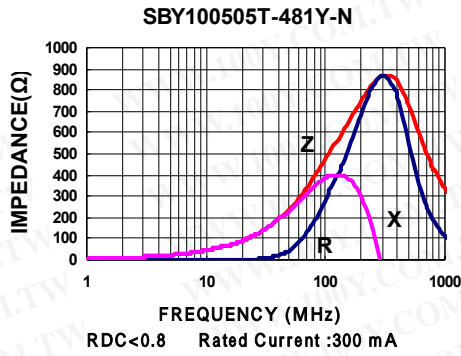
Part Number	Test Frequency (MHz)	Impedance (±25%)	DC Resistance () Max	Rated current (mA) Max
SBY100505T-060Y-N	100	6	0.05	500
SBY100505T-100Y-N	100	10	0.05	500
SBY100505T-400Y-N	100	40	0.20	500
SBY100505T-800Y-N	100	80	0.20	500
SBY100505T-121Y-N	100	120	0.25	500
SBY100505T-241Y-N	100	240	0.40	400
SBY100505T-481Y-N	100	480	0.50	300
SBY100505T-601Y-N	100	600	0.60	300
SBY100505T-102Y-N	100	1000	1.50	100
SBY100505T-152Y-N	100	1500	2.00	60
SBY100505T-182Y-N	100	1800	2.20	50

Test Instruments : HP4291A Impedance / Material Analyzer



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SMD Multilayer Ferrite Chip Beads – SB100505 Series



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