

## MULTILAYER

### FERRITE CHIP BEAD (SB Series)

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)

#### 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.



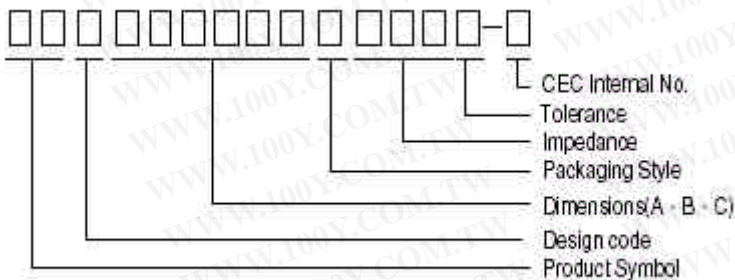
#### Feature

- 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



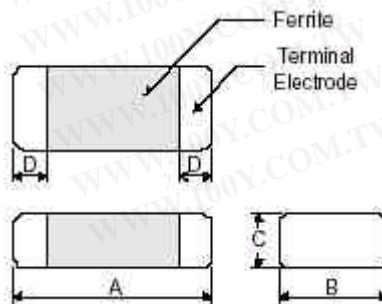
Product Symbol:SB

Packaging Style: T: Tape and Reel; B: Bulk

Tolerance: Y=  $\pm 25\%$ ; M=  $\pm 20\%$

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.

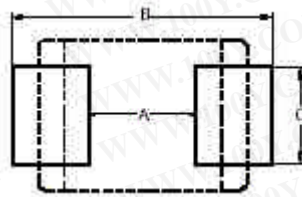
#### Shapes and Dimensions



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 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 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

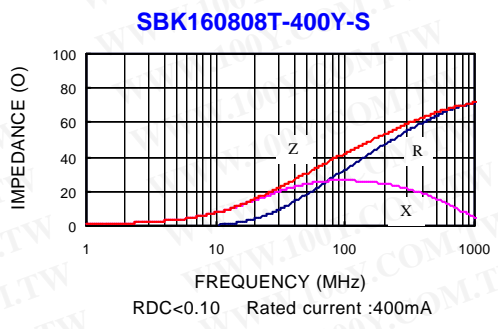
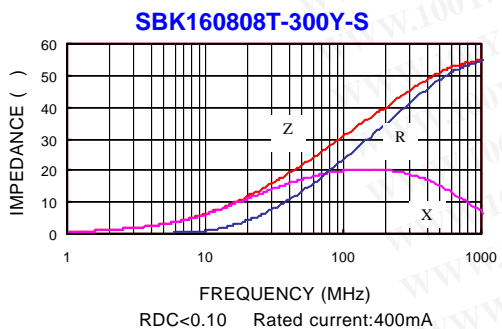
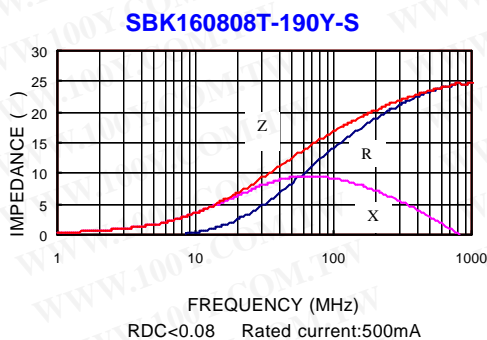
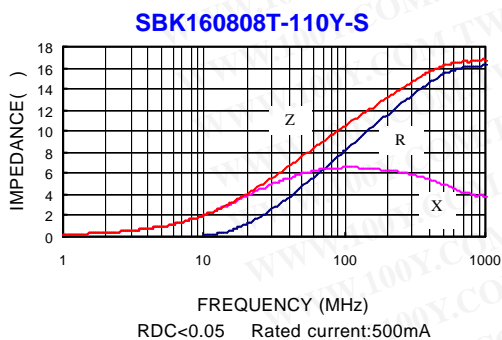
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# SMD Multilayer Ferrite Chip Beads – SB160808 Series

## Electrical Characteristics

Part Number	Test Frequency (MHz)	Impedance ( $\pm 25\%$ )	DC Resistance ( $\Omega$ ) max.	Rated current (mA) max.
SBK160808T-110Y-S	100	11	0.05	500
SBK160808T-190Y-S	100	19	0.08	500
SBK160808T-300Y-S	100	30	0.10	400
SBK160808T-400Y-S	100	40	0.10	400
SBK160808T-600Y-S	100	60	0.10	300
SBK160808T-800Y-S	100	80	0.15	300
SBK160808T-121Y-S	100	120	0.25	300
SBK160808T-221Y-S	100	220	0.30	200
SBK160808T-301Y-S	100	300	0.40	200
SBK160808T-451Y-S	100	450	0.50	200
SBK160808T-601Y-S	100	600	0.50	200
SBK160808T-751Y-S	100	750	0.70	200
SBK160808T-102Y-S	100	1000	0.70	200
SBK160808T-152Y-S	100	1500	1.00	50
SBK160808T-222Y-S	100	2200	1.20	50
SBK160808T-272T-S	100	2700	1.30	50

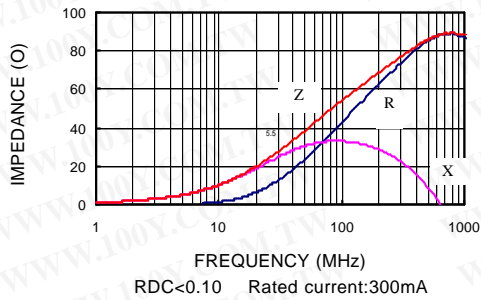
Test Instruments : HP4291A Impedance / Material Analyzer



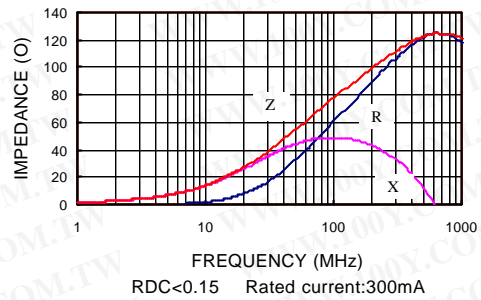
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Test Instruments : HP4291A Impedance / Material Analyzer

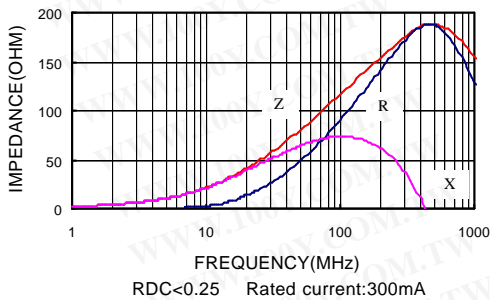
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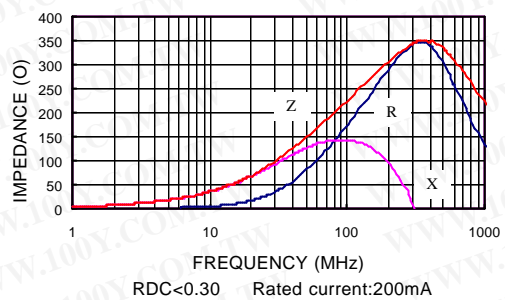
**SBK160808T-800Y-S**



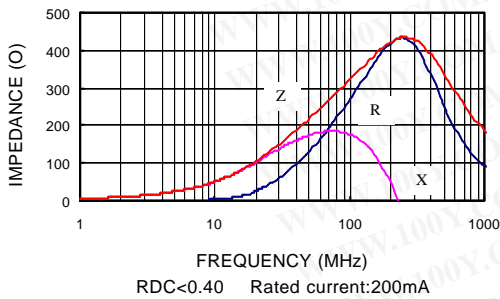
**SBK160808T-121Y-S**



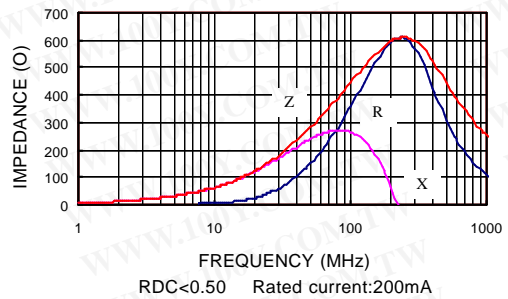
**SBK160808T-221Y-S**



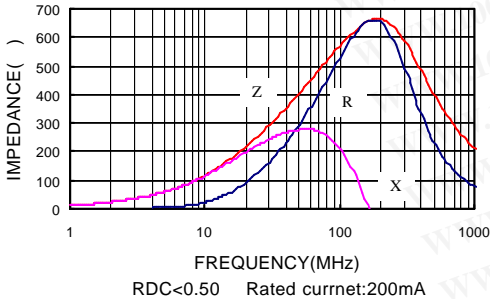
**SBK160808T-301Y-S**



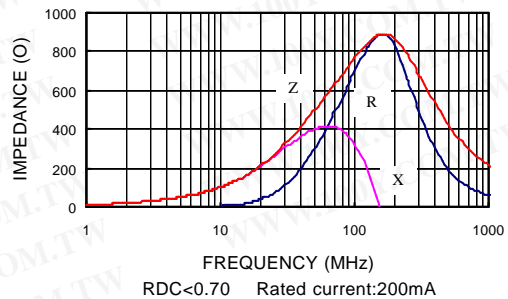
**SBK160808T-451Y-S**



**SBK160808T-601Y-S**



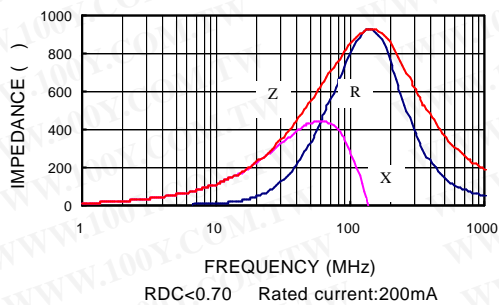
**SBK160808T-751Y-S**



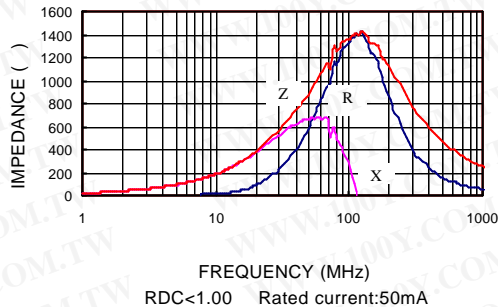
# SMD Multilayer Ferrite Chip Beads – SB160808 Series

Test Instruments : HP4291A Impedance / Material Analyzer

**SBK160808T-102Y-S**



**SBK160808T-152Y-S**



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All specifications are subject to change without notification.