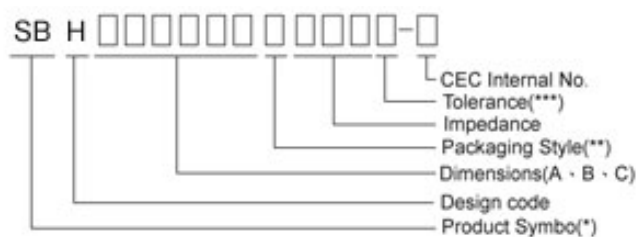


## Multilayer Ceramic Chip Beads



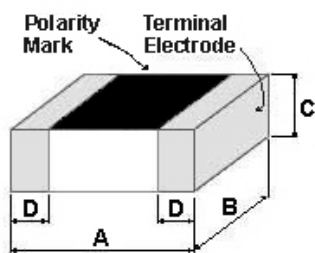
The chip ceramics beads SBH series is designed to function nearly as a resistor at noise frequencies, which greatly reduces the possibility of resonance and leaves signal wave forms undistorted. SBH series can minimize attenuation of the signal waveform due to its sharp impedance characteristics. Various impedances are available to match signal frequency. Suitable for noise suppression in 1GHz or higher frequency

## Product Identification

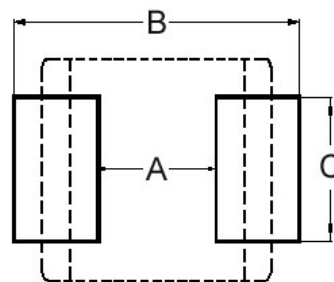


- Product Symbol: SBH
- Packaging: T : Tape and Reel ; B : Bulk
- Tolerance: Y =  $\pm 25\%$ ; T: $\pm 30\%$
- Note: RoHS Compliant

## Shapes and Dimensions



## Recommended Pattern



Dimensions in mm

TYPE	A	B	C	D
100505	1.0±0.10	0.50±0.10	0.5±0.10	0.25±0.10
160808	1.6±0.15	0.80±0.15	0.8±0.15	0.3±0.2

Dimensions in mm

TYPE	A	B	C
100505	0.4	1.2 ~ 1.4	0.5
160808	0.7 ~ 0.8	1.8 ~ 2.0	0.6 ~ 0.8

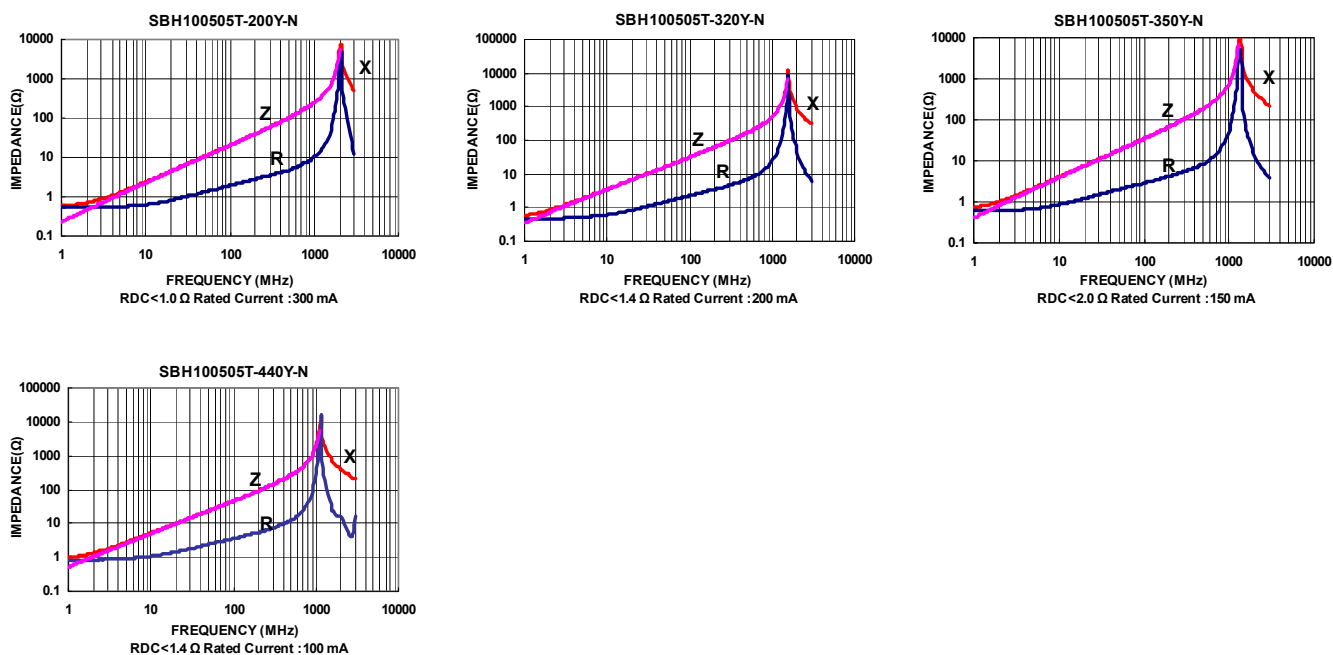
## Dimension Conversion

Code	Dimension in mm (AxBxC)	EIA
100505	1.0X0.5X0.5	0402
160808	1.6x0.8x0.8	0603

## Electrical Characteristics

Part Number	Impedance ( $\Omega \pm 25\%$ )	Test Frequency (MHz)	Impedance ( $\Omega$ ) Min	Test Frequency (MHz)	DC Resistance ( $\Omega$ ) Max	Rated current (mA) Max
SBH100505T-200Y-N	20	100	100	1000	1.0	300
SBH100505T-320Y-N	32	100	300	1000	1.4	200
SBH100505T-350Y-N	35	100	500	1000	2.0	150
SBH100505T-440Y-N	44	100	500	1000	1.4	100

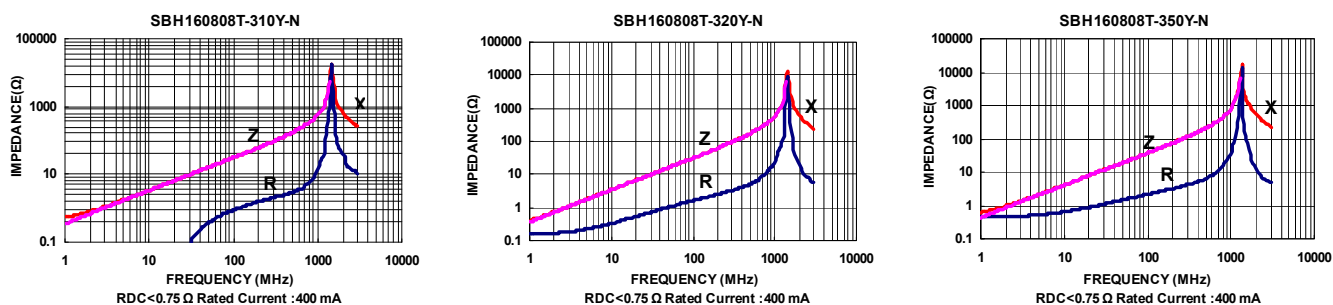
Test Instruments : HP4291A Impedance / Material Analyze



## Electrical Characteristics

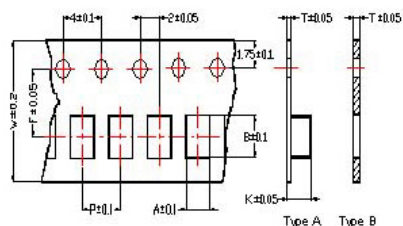
Part Number	Impedance ( $\Omega \pm 25\%$ )	Test Frequency (MHz)	Impedance ( $\Omega$ ) Min	Test Frequency (MHz)	DC Resistance ( $\Omega$ ) Max	Rated current (mA) Max
SBH160808T-310Y-N	31	100	400	1000	0.75	400
SBH160808T-320Y-N	32	100	300	1000	0.75	400
SBH160808T-350Y-N	35	100	500	1000	0.75	400

Test Instruments : HP4291A Impedance / Material Analyze

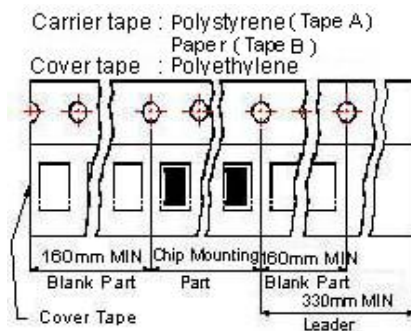


## Packaging Specifications

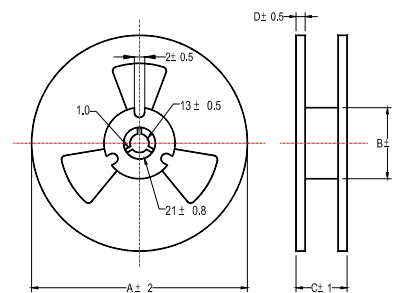
### Tape Dimensions



### Tape Material



### Reel Dimensions



### Dimensions in mm

TYPE	Tape Dimensions								Reel Dimensions				Quantity PCS / REEL
	A	B	T	W	P	F	K	Tape Type.	A	B	C	D	
100505	0.65	1.15	0.6	8.0	2.0	3.5	-	B	178	60	12	2	10000
160808	1.05	1.85	0.95	8.0	4.0	3.5	-	B	178	60	12	2	4000