



Multilayer Ferrite Chip Beads

TB Series

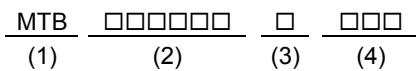
Features

- * High density packaging with a pitch of 2.54 mm (0.1 inch) max. is possible. This series requires less space and has greater EMI suppression effects.
- * Different types with the same shape are available.
- * Excellent in physical properties, such as terminal strength, flexure strength, soldering resistance and solder-ability.
- * Applicable to both flow and reflow soldering.
- * High impedance cover wide frequency ranges.
- * L material type can minimize attenuation of the signal waveform due to its sharp impedance

Applications

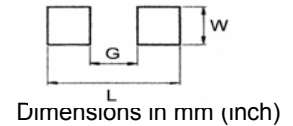
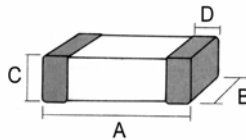
- * Computers and peripheral devices, personal computers, VCR and cameras.
- * Noise suppression in digital equipments, car stereo, car engines controllers and OA electronic instruments.
- * Communication equipment.

Product Identifications



- (1) Product Symbol: MTW's Multilayer Chip Beads
- (2) Dimensions: Length (A) × Width (B) × Thickness (C)
- (3) Material Code
- (4) Impedance

Shapes and Dimensions / Recommended PC Board Pattern



TYPE	A	B	C	D	L	W	G
060303	0.6±0.05 (0.024±0.002)	0.3±0.05 (0.012±0.002)	0.3±0.05 (0.012±0.002)	0.15±0.05 (0.006±0.002)	0.90 (0.035)	0.30 (0.012)	0.30 (0.012)
100505	1.0±0.1 (0.040±0.004)	0.5±0.1 (0.020±0.004)	0.5±0.1 (0.020±0.004)	0.25±0.15 (0.010±0.006)	2.20 (0.086)	0.70 (0.028)	0.40 (0.016)
160808	1.6±0.2 (0.063±0.008)	0.8±0.2 (0.031±0.008)	0.8±0.2 (0.031±0.008)	0.3±0.2 (0.012±0.008)	2.80 (0.110)	1.00 (0.039)	0.60 (0.024)
201209	2.0±0.2 (0.079±0.008)	1.2±0.2 (0.047±0.008)	0.9±0.2 (0.035±0.008)	0.5±0.3 (0.020±0.012)	3.20 (0.126)	1.50 (0.059)	0.60 (0.024)
321611	3.2±0.2 (0.126±0.008)	1.6±0.2 (0.063±0.008)	1.1±0.2 (0.043±0.008)	0.5±0.3 (0.020±0.012)	4.40 (0.173)	1.80 (0.071)	1.20 (0.047)
322513	3.2±0.2 (0.126±0.008)	2.5±0.2 (0.098±0.008)	1.3±0.2 (0.051±0.008)	0.5±0.3 (0.020±0.012)	4.40 (0.173)	2.70 (0.106)	1.20 (0.047)
451616	4.5±0.2 (0.177±0.008)	1.6±0.2 (0.063±0.008)	1.6±0.2 (0.063±0.008)	0.5±0.3 (0.020±0.012)	5.80 (0.228)	1.80 (0.071)	2.00 (0.079)
453215	4.5±0.2 (0.177±0.008)	3.2±0.2 (0.126±0.008)	1.5±0.2 (0.059±0.008)	0.5±0.3 (0.020±0.012)	5.80 (0.228)	3.40 (0.134)	2.00 (0.079)



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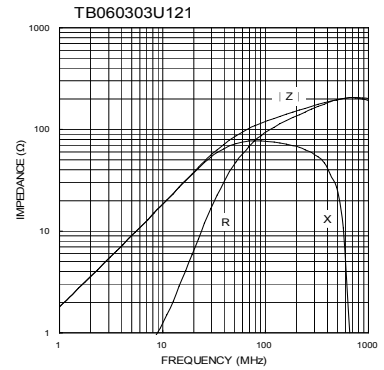
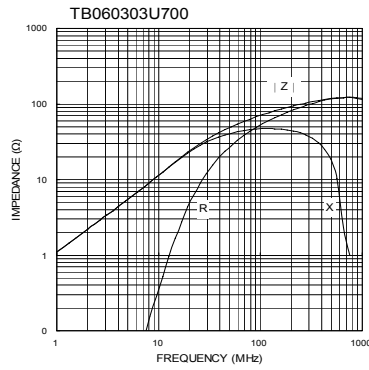
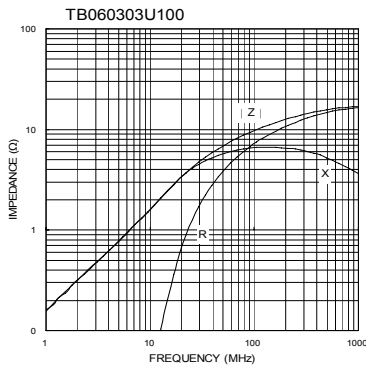
Electrical Characteristics

060303 Type

Part Number	Impedance (Ω) $\pm 25\%$ At 100MHz	DC Resistance (Ω) MAX.	Rated Current (mA) MAX.
MTB 060303 U100	10	0.10	500
MTB 060303 U700	70	0.50	200
MTB 060303 U121	120	0.80	200

Electrical Charts

060303 Type





Multilayer Ferrite Chip Beads TB Series

Electrical Characteristics

100505 Type

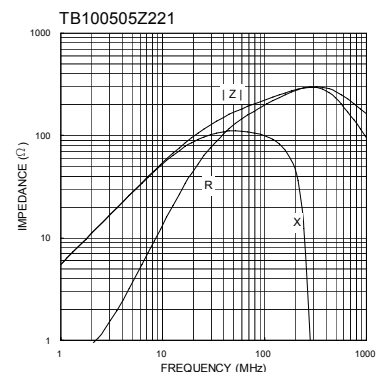
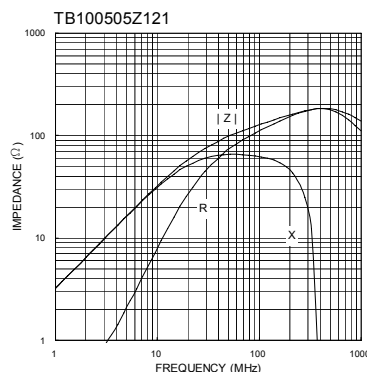
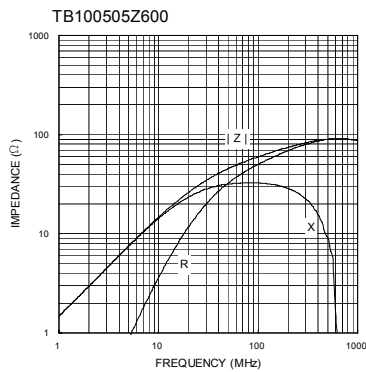
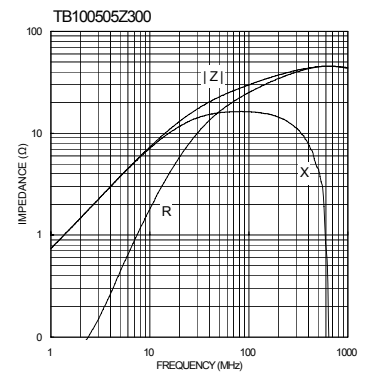
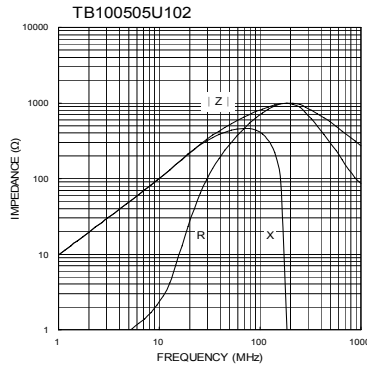
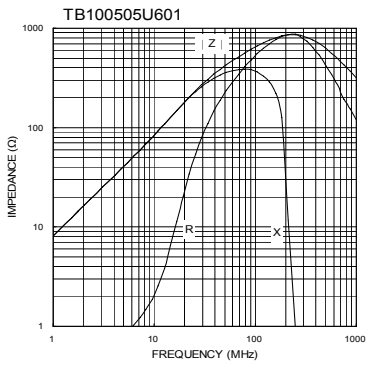
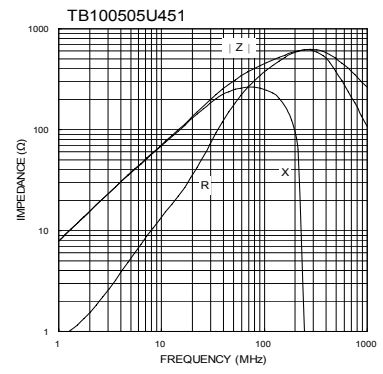
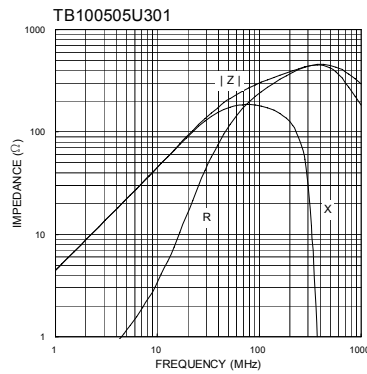
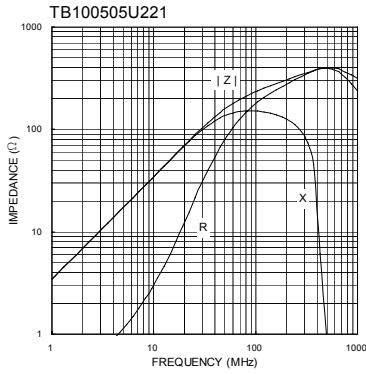
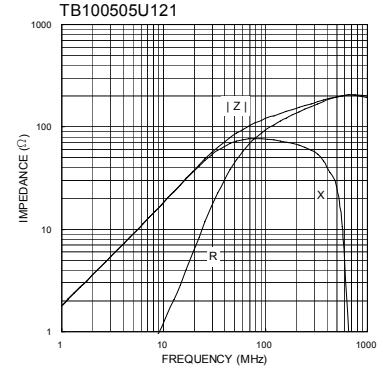
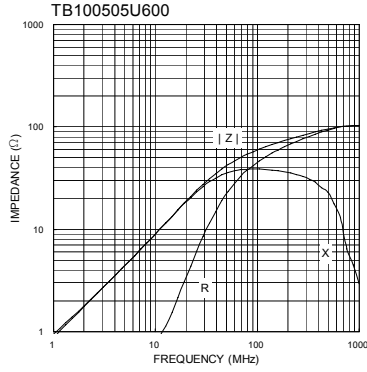
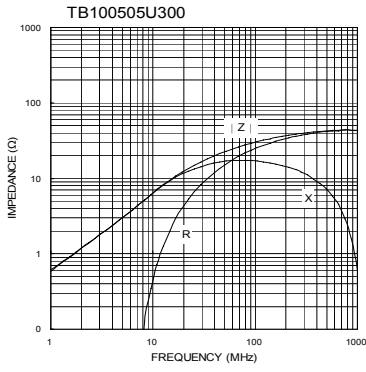
Part Number	Impedance (Ω) $\pm 25\%$ At 100MHz	DC Resistance (Ω) MAX.	Rated Current (mA) MAX.
MTB 100505 U300	30	0.30	500
MTB 100505 U600	60	0.40	200
MTB 100505 U121	120	0.50	200
MTB 100505 U221	220	0.70	100
MTB 100505 U301	300	0.80	100
MTB 100505 U451	450	0.90	100
MTB 100505 U601	600	1.00	100
MTB 100505 U102	1000	1.50	50
MTB 100505 Z300	30	0.30	500
MTB 100505 Z600	60	0.40	200
MTB 100505 Z121	120	0.50	200
MTB 100505 Z221	220	0.70	100
MTB 100505 Z301	300	0.80	100
MTB 100505 Z451	450	0.90	100
MTB 100505 Z601	600	1.00	100
MTB 100505 G300	30	0.30	500
MTB 100505 G600	60	0.40	200
MTB 100505 G121	120	0.50	200
MTB 100505 G221	220	0.70	100
MTB 100505 G301	300	0.80	100
MTB 100505 G451	450	0.90	100
MTB 100505 G601	600	1.00	100
MTB 100505 G102	1000	1.30	100
MTB 100505 B300	30	0.40	200
MTB 100505 B600	60	0.50	200
MTB 100505 B121	120	0.70	100
MTB 100505 B221	220	0.90	100
MTB 100505 B301	300	1.00	100



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Electrical Charts

100505 Type

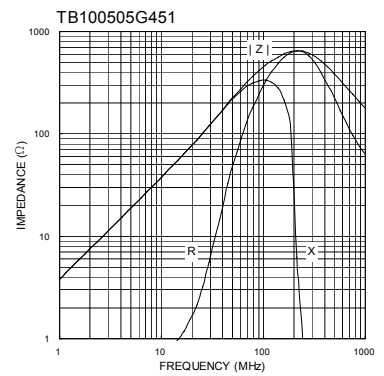
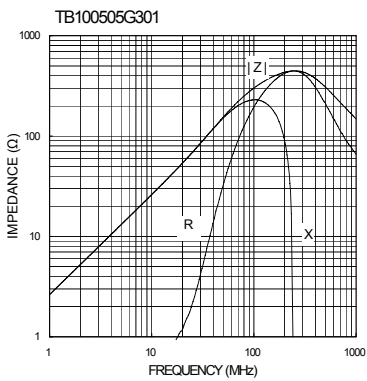
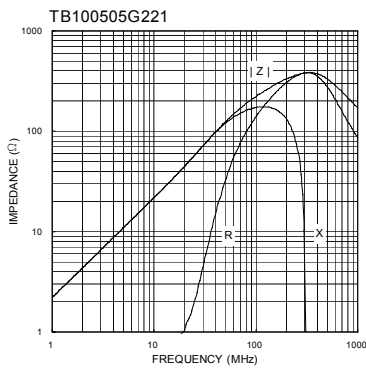
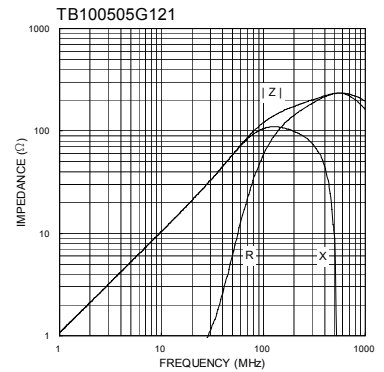
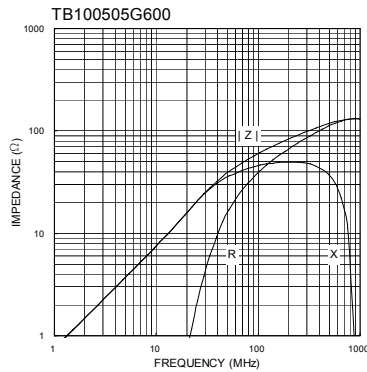
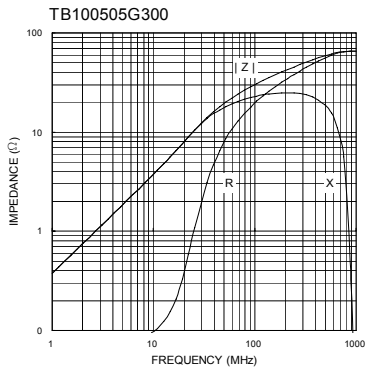
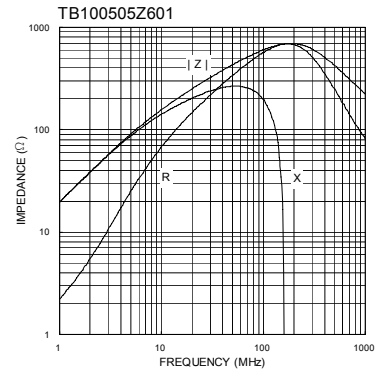
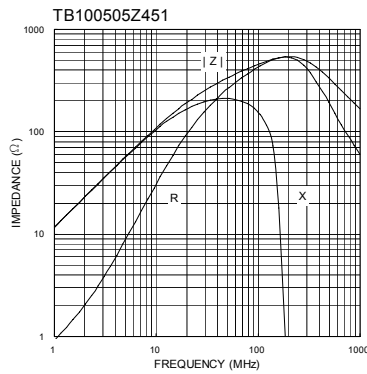
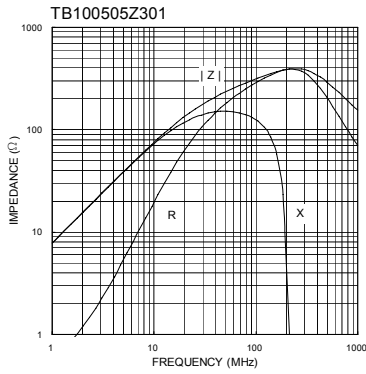




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Electrical Charts

100505 Type

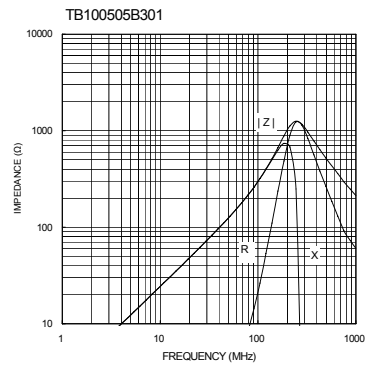
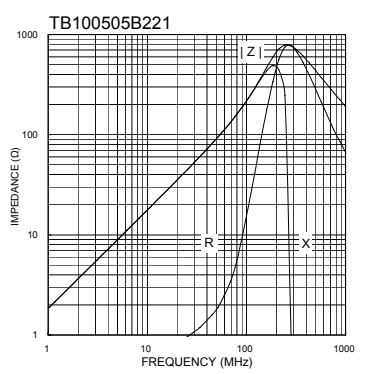
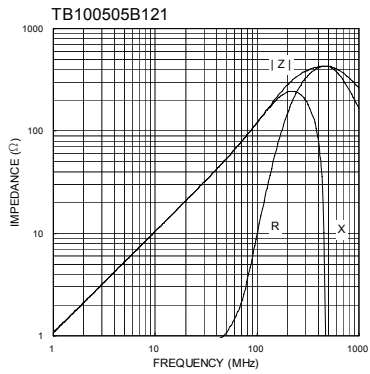
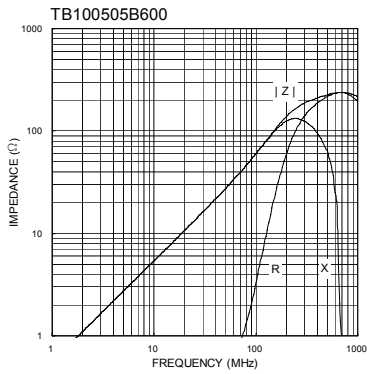
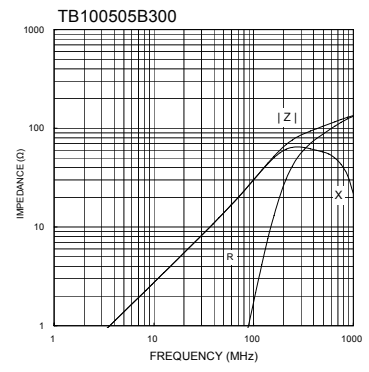
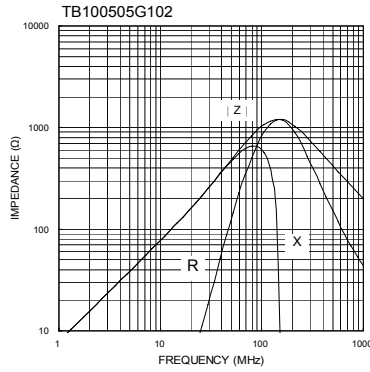
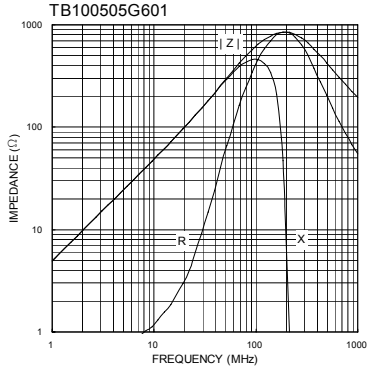




Multilayer Ferrite Chip Beads TB Series

Electrical Charts

100505 Type





Multilayer Ferrite Chip Beads TB Series

Electrical Characteristics

160808 Type

Part Number	Impedance (Ω) $\pm 25\%$ At 100MHz	DC Resistance (Ω) MAX.	Rated Current (mA) MAX.
MTB 160808 Z600	60	0.20	300
MTB 160808 Z800	80	0.20	300
MTB 160808 Z121	120	0.20	200
MTB 160808 Z221	220	0.20	200
MTB 160808 Z301	300	0.35	200
MTB 160808 Z451	450	0.40	250
MTB 160808 Z601	600	0.45	200
MTB 160808 Z102	1000	0.60	100
MTB 160808 U090	9	0.20	500
MTB 160808 U300	30	0.20	400
MTB 160808 U600	60	0.20	300
MTB 160808 U800	80	0.20	300
MTB 160808 U121	120	0.20	200
MTB 160808 U221	220	0.20	200
MTB 160808 U301	300	0.35	200
MTB 160808 U451	450	0.40	200
MTB 160808 U601	600	0.45	200
MTB 160808 U102	1000	0.60	100
MTB 160808 G600	60	0.20	300
MTB 160808 G800	80	0.20	300
MTB 160808 G121	120	0.20	200
MTB 160808 G221	220	0.20	200
MTB 160808 G301	300	0.35	200
MTB 160808 G451	450	0.40	200
MTB 160808 G601	600	0.45	200
MTB 160808 G102	1000	0.60	100
MTB 160808 G152	1500	0.70	50
MTB 160808 G202	2000	0.80	50
MTB 160808 G252	2500	1.00	50
MTB 160808 B050	5	0.20	600
MTB 160808 B400	40	0.30	300
MTB 160808 B600	60	0.30	300
MTB 160808 B800	80	0.30	200
MTB 160808 B121	120	0.30	200
MTB 160808 B181	180	0.35	200
MTB 160808 B221	220	0.40	200
MTB 160808 B301	300	0.45	200
MTB 160808 B601	600	0.65	200
MTB 160808 B102	1000	0.80	50
MTB 160808 L150	15	0.30	200
MTB 160808 L300	30	0.30	200



MAGNETIC TECHNOLOGY WORLDWIDE SDN BHD/KEENTECH

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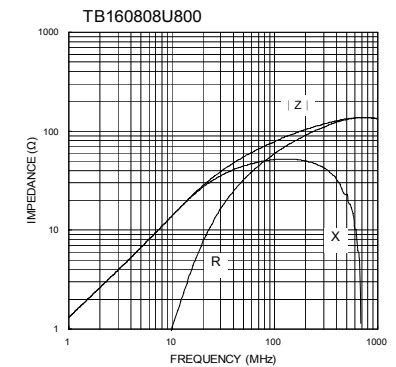
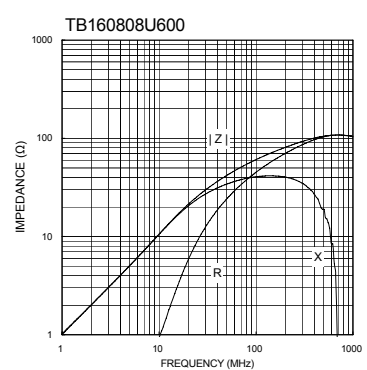
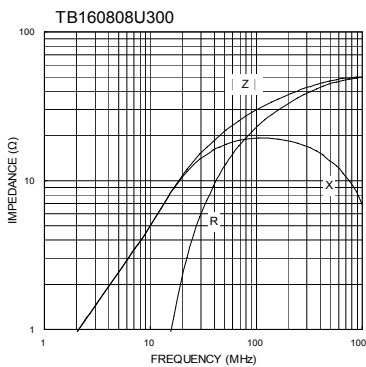
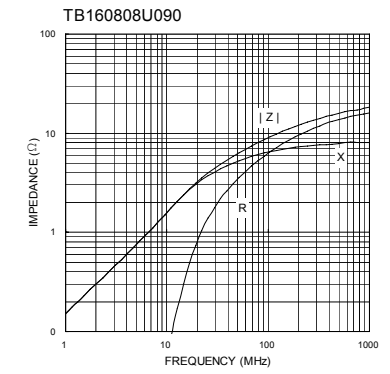
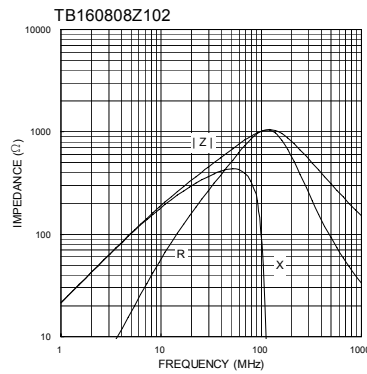
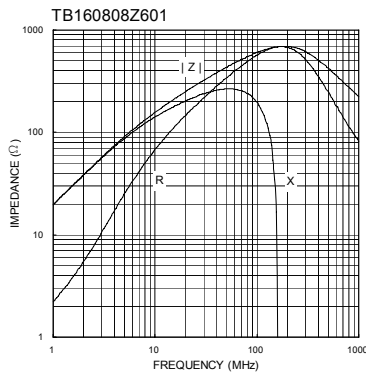
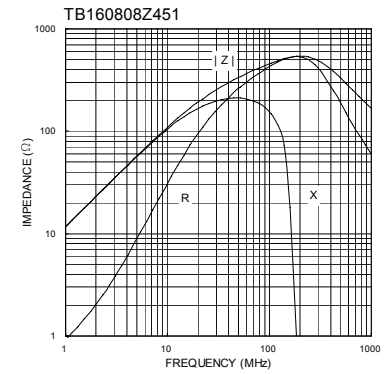
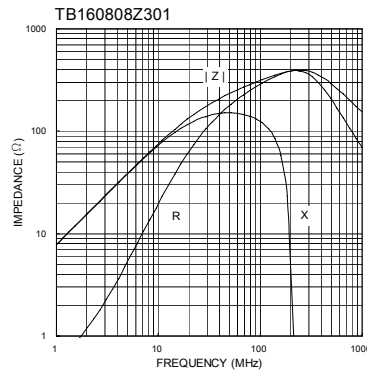
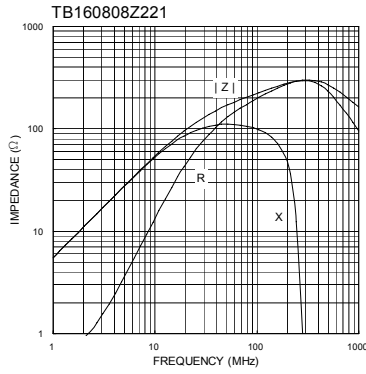
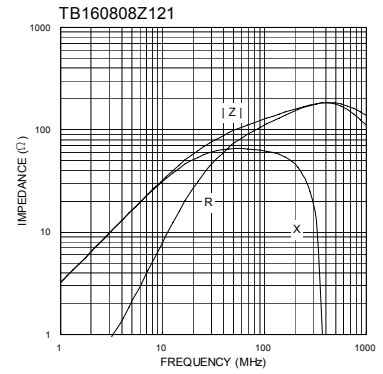
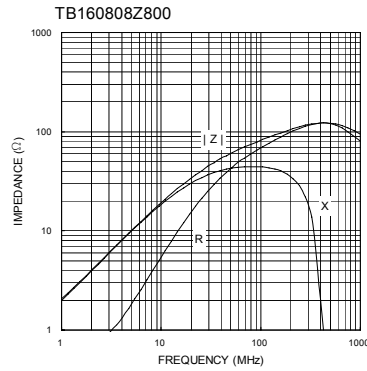
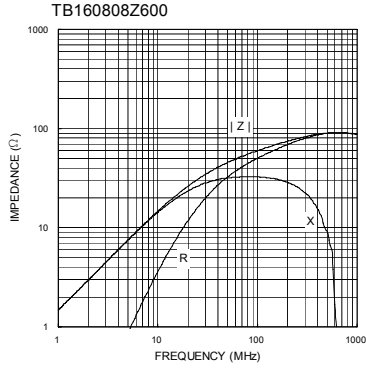
Part Number	Impedance (Ω) $\pm 25\%$ At 100MHz	DC Resistance (Ω) MAX.	Rated Current (mA) MAX.
MTB 160808 L600	60	0.30	200
MTB 160808 L800	80	0.40	150
MTB 160808 L121	120	0.40	150
MTB 160808 L221	220	0.45	150
MTB 160808 L301	300	0.60	100



Multilayer Ferrite Chip Beads TB Series

Electrical Charts

160808 Type

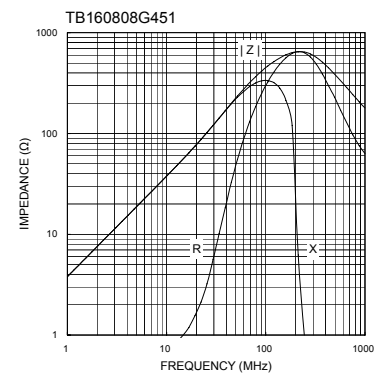
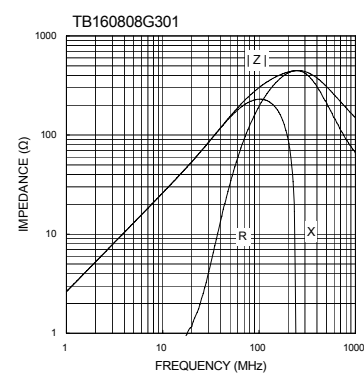
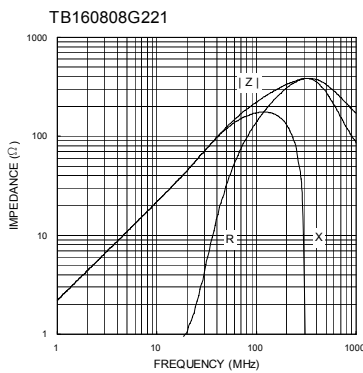
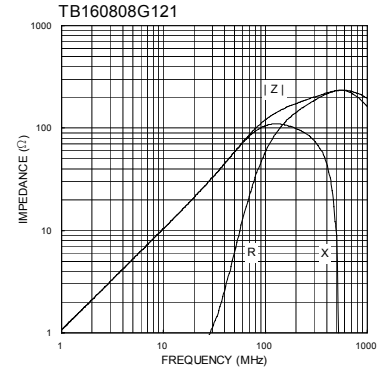
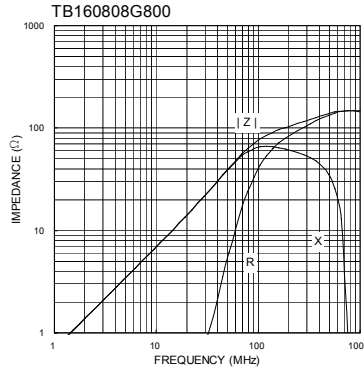
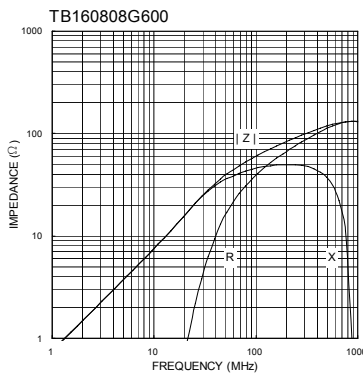
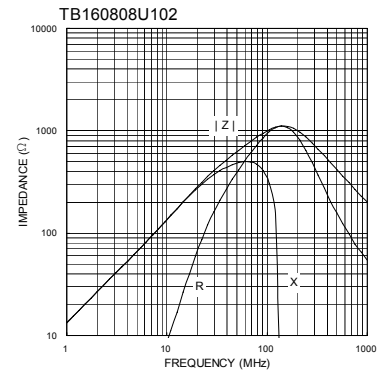
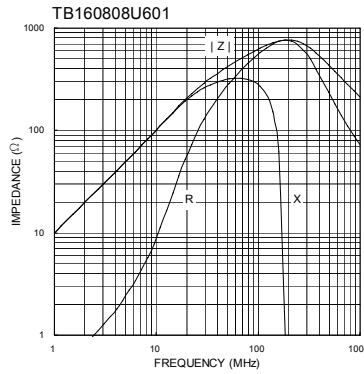
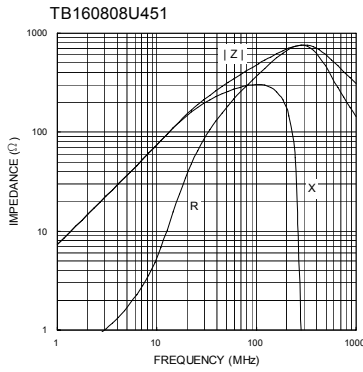
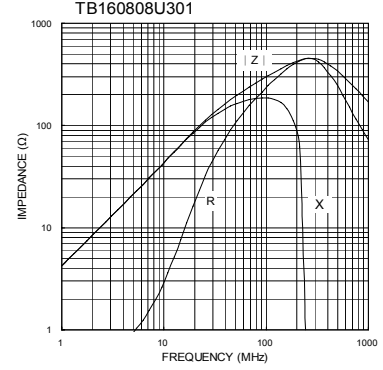
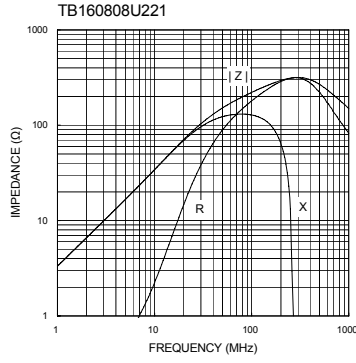
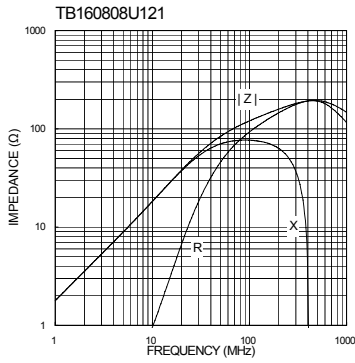




Multilayer Ferrite Chip Beads TB Series

Electrical Charts

160808 Type

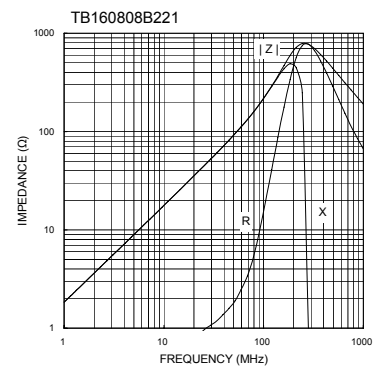
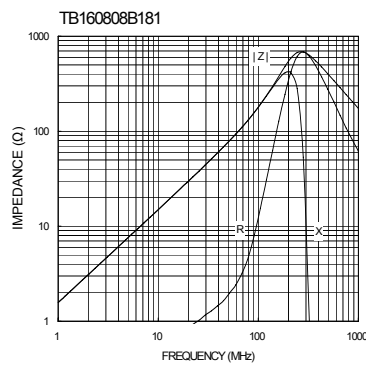
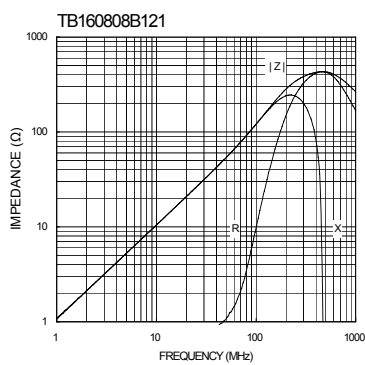
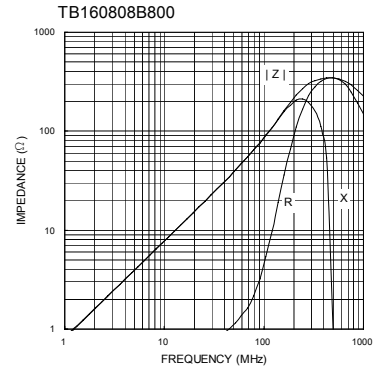
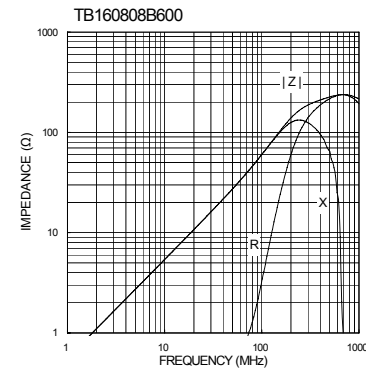
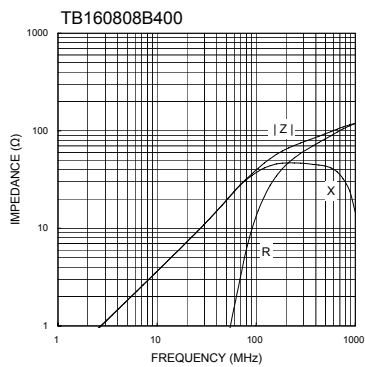
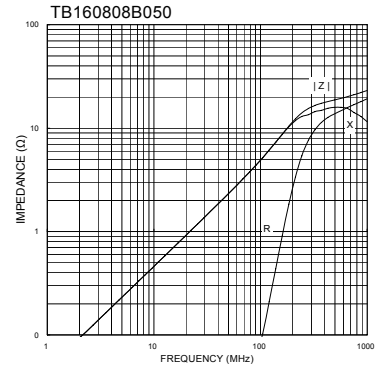
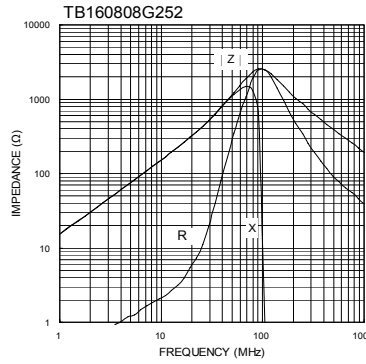
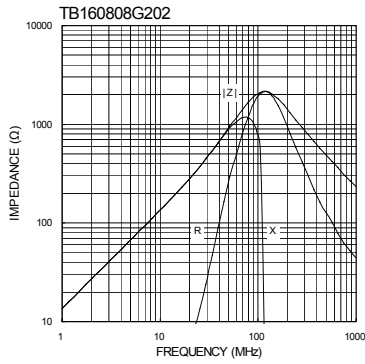
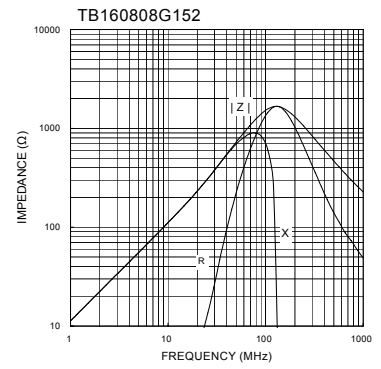
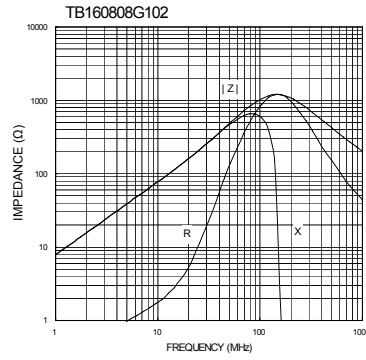
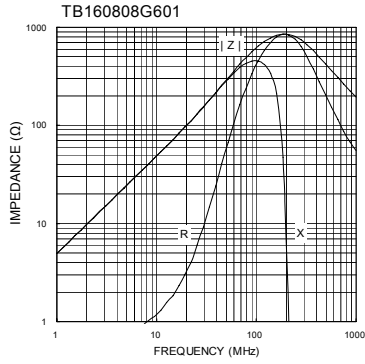




Multilayer Ferrite Chip Beads TB Series

Electrical Charts

160808 Type





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