



Multilayer Ferrite Chip Beads TI Series (Large Current)

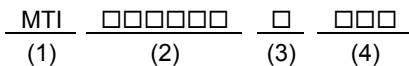
Features

- * 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 solderability.
- * Applicable to both flow and reflow soldering.
- * High impedance cover wide frequency ranges.
- * TI series can be used in high current circuits due to its low DC resistance.

Applications

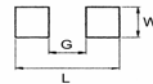
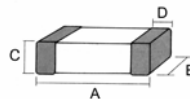
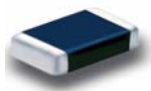
- * Computers and peripheral devices, personal computers, VCR and cameras.
- * Noise suppression in digital equipments, car stereo, car engines controllers and OA electronic instruments.
- * Communication equipment.

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



Dimensions in mm (inch)

TYPE	A	B	C	D	L	W	G
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)	0.1 (MIN.) (0.004)	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)

**Multilayer Ferrite Chip Beads
TI Series (Large Current)****Electrical Characteristics****All Type**

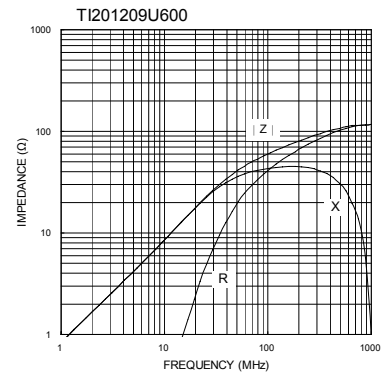
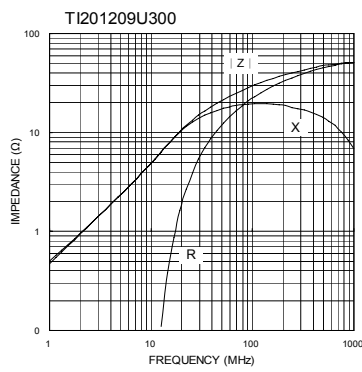
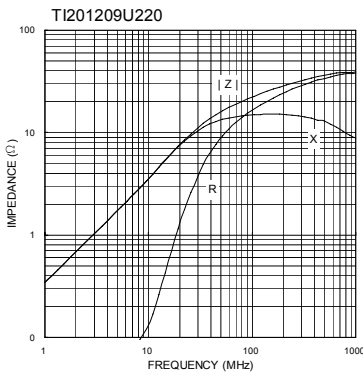
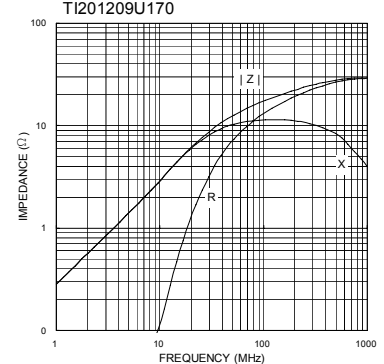
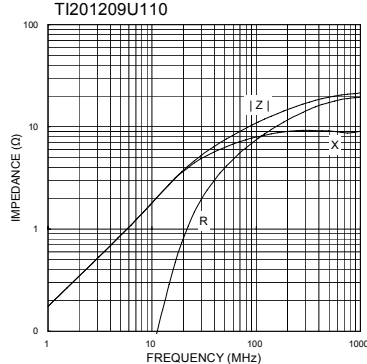
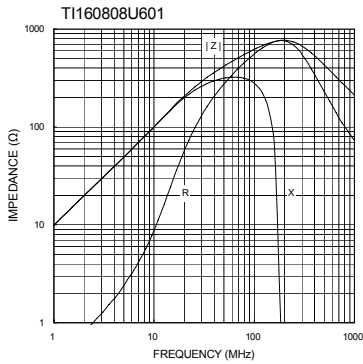
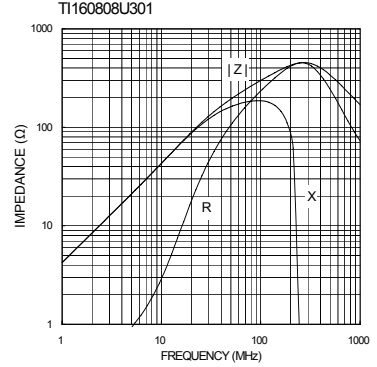
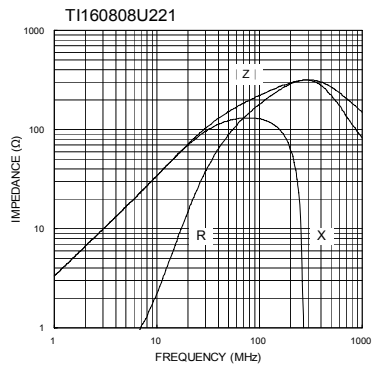
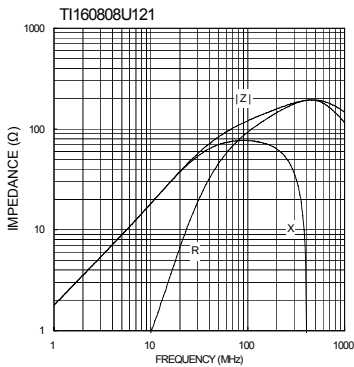
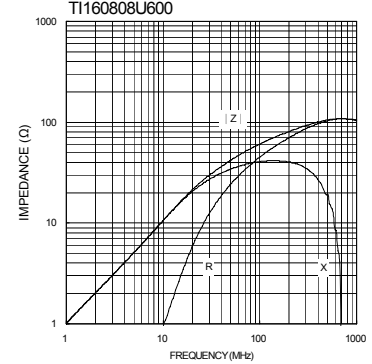
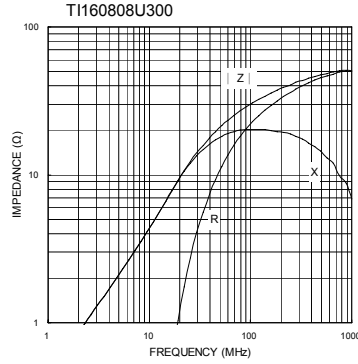
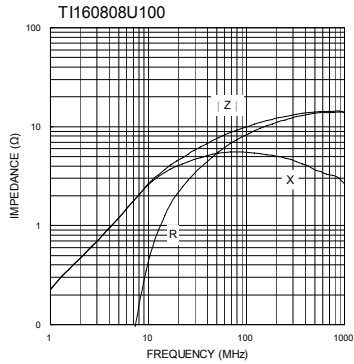
Part Number	Impedance (Ω) $\pm 25\%$ At 100MHz	DC Resistance (Ω) MAX.	Rated Current (A) MAX.
MTI 160808 U100	10	0.030	4.0
MTI 160808 U300	30	0.050	3.0
MTI 160808 U600	60	0.050	3.0
MTI 160808 U121	120	0.100	2.0
MTI 160808 U221	220	0.150	1.5
MTI 160808 U301	300	0.150	1.5
MTI 160808 U601	600	0.300	1.0
MTI 201209 U110	11	0.010	6.0
MTI 201209 U170	17	0.010	6.0
MTI 201209 U220	22	0.010	6.0
MTI 201209 U300	30	0.030	4.0
MTI 201209 U600	60	0.050	3.0
MTI 201209 U121	120	0.080	2.5
MTI 201209 U221	220	0.100	2.0
MTI 201209 U301	300	0.100	2.0
MTI 201209 U601	600	0.300	1.0
MTI 201209 U102	1000	0.300	1.0
MTI 201209 B070	7	0.050	3.0
MTI 321611 Z260	26	0.010	6.0
MTI 321611 U310	31	0.010	6.0
MTI 321611 U500	50	0.025	3.0
MTI 321611 U121	120	0.080	2.5
MTI 321611 U301	300	0.080	2.5
MTI 321611 U601	600	0.100	2.0
MTI 321611 U102	1000	0.200	1.5
MTI 321611 G800	80	0.050	3.0
MTI 321611 G101	100	0.050	3.0
MTI 321611 G601	600	0.300	1.0
MTI 321611 B190	19	0.040	3.0
MTI 322513 U300	30	0.050	3.0
MTI 322513 U520	52	0.050	3.0
MTI 322513 U650	65	0.050	3.0
MTI 451616 U600	60	0.010	6.0
MTI 451616 U750	75	0.050	3.0
MTI 451616 U800	80	0.050	3.0
MTI 451616 U471	470	0.090	2.0
MTI 453215 Z121	120	0.050	3.0
MTI 453215 U700	70	0.030	6.0
MTI 453215 U121	120	0.050	3.0



Multilayer Ferrite Chip Beads TI Series (Large Current)

Electrical Charts

All Type





Multilayer Ferrite Chip Beads TI Series (Large Current)

Electrical Charts

All Type

