

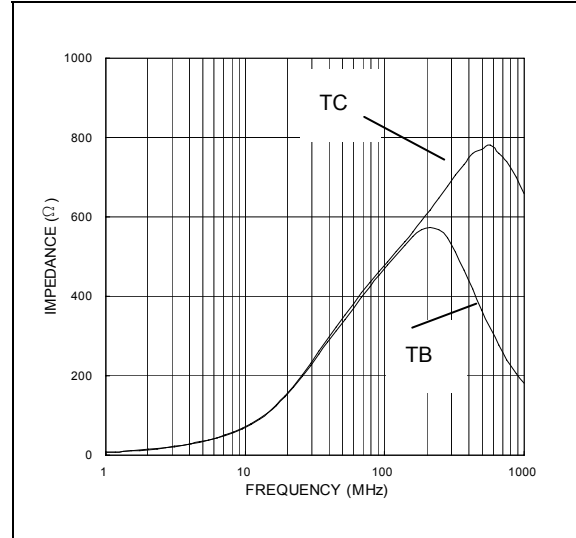


# Multilayer Ferrite Chip Beads

## TC Series (GHz Range Noise Suppression)

### Features

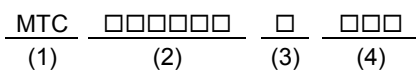
- \* The characteristics at frequencies below 100 MHz are similar to those of TB series. At 1 GHz, the impedance of TC series is approximately 3 times higher than those of TB series.
- \* Significant impedance across a broad range of frequencies.
- \* Excellent in physical properties, such as terminal strength, flexure strength, soldering resistance and solderability.
- \* Applicable to both flow and reflow soldering.



### Features

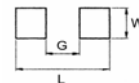
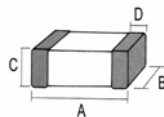
- \* For high-speed signal lines communication, such as high-speed CPU and data bus.
- \* Telecommunication equipment and other digital equipment.

### 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
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)



# Multilayer Ferrite Chip Beads TC Series (GHz Range Noise Suppression)

## Electrical Characteristics

## 160808 Type

Part Number	Impedance ( $\Omega$ ) $\pm 25\%$ At 100MHz	DC Resistance ( $\Omega$ ) MAX.	Rated Current (A) MAX.
MTC 160808 Z471	470	0.85	0.20
MTC 160808 Z601	600	1.00	0.20
MTC 160808 Z102	1000	1.60	0.10
MTC 160808 G301	300	1.05	0.10
MTC 160808 G471	470	1.20	0.10
MTC 160808 G601	600	1.50	0.10
MTC 160808 G102	1000	1.85	0.05

