

Multilayer Ceramic Capacitors



HQ Series
(High Q)

MERITEK

FEATURES

- Surface mount device with high reliability
- Hi-Q and low ESR at high frequencies
- Low capacitance with tight tolerance
- Excellent temperature characteristics



PART NUMBER SYSTEM

HQ **0603** **CG** **4R7** **B** **500**

Meritek Series

Size

Dielectric

CODE	CG
	COG (NPO)

Capacitance

Expressed in picofarads. First 2 digits are significant digits. Third digit denotes number of zeros to follow. Use R for decimal point for values less than 10pF.

CODE	8R2	101
pF	8.2	100

Tolerance

CODE	B	C	D	G	J
	±.10pF	±.25pF	±.50pF	±2%	±5%

For values less than 10 pF use C or D

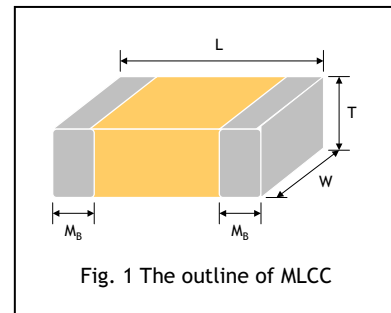
Rated Voltage

2 significant digits + number of zeros.

CODE	250	500
	25V	50V

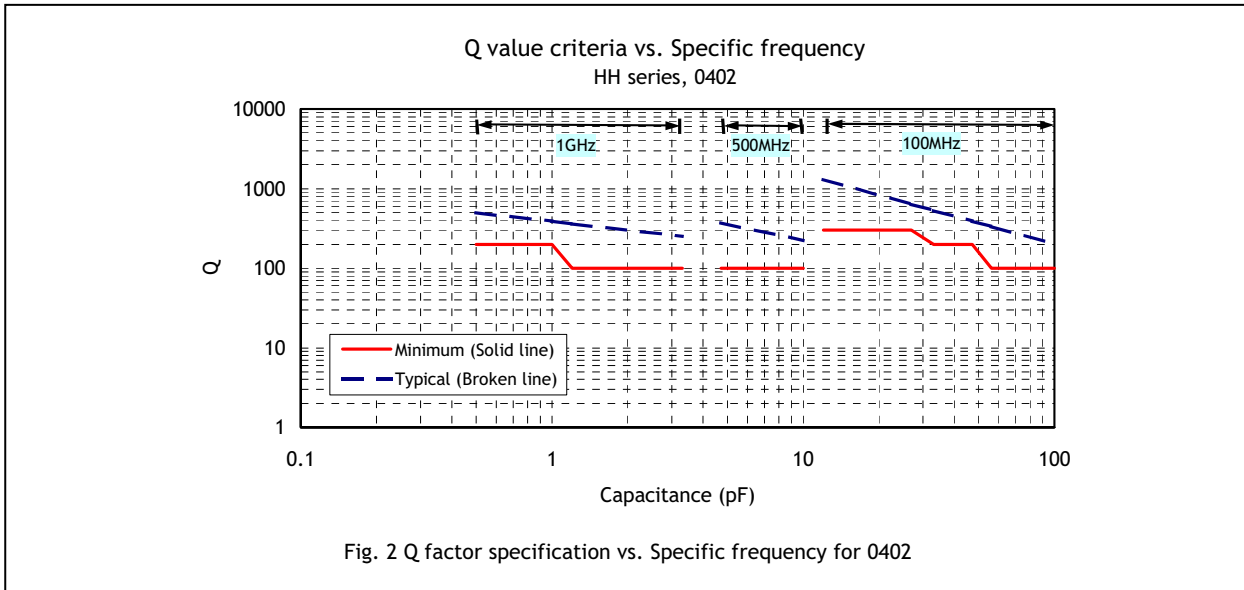
Dimensions

Size Inch (mm)	L (mm)	W (mm)	T (mm)/Symbol		M _b (mm)
0402 (1005)	1.00±0.05	0.50±0.05	0.50±0.05	N	0.25 +0.05/-0.10
0603 (1608)	1.60±0.10	0.80±0.10	0.80±0.07	S	0.40±0.15



ELECTRICAL CHARACTERISTICS

Q factor specification vs. Specific frequency



Q factor specification vs. Specific frequency

