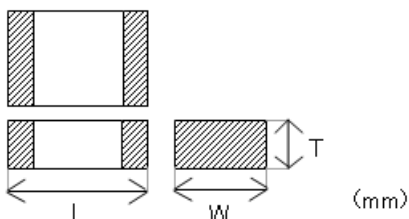


Murata Global Part No.	Size (mm/inch)	Temp. Chara.	Cap.Value	Cap.Tol	Rated Volt.	Durability (%Rated Volt.)
GRT155R61A475ME13	1005M/0402	X5R	4.7uF	+/-20%	10Vdc	100%

## 1. Dimension



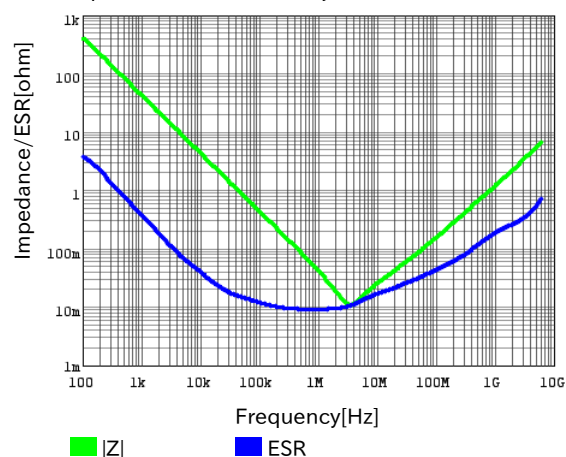
L	W	T
1.0+0.15/-0.15	0.5+0.15/-0.15	0.5+0.15/-0.15

## 2. Capacitance, D.F. and I.R.

	Specifications	Measuring condition
Capacitance	3.76uF to 5.64uF	1kHz / 1Vrms
D.F.	0.125(max.)	1kHz / 1Vrms
I.R.	10.64 (min.) Mohm	10.0V, 60s

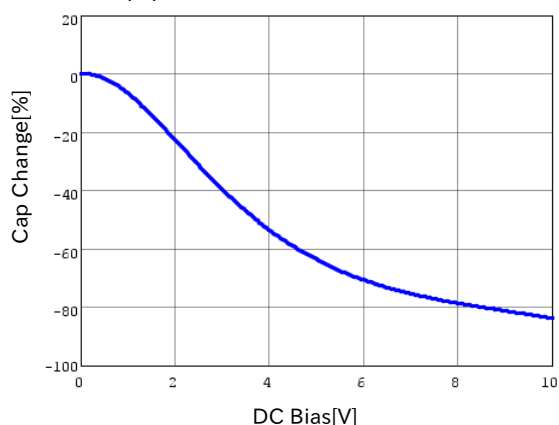
## 3. Impedance/ESR-Frequency

Equipment: Impedance/Network Analyzer



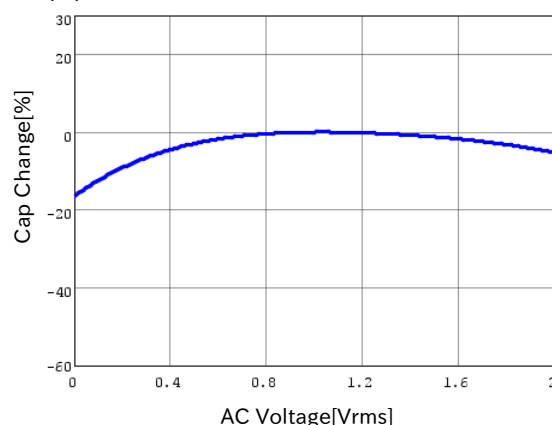
## 4. Capacitance-DC Bias Characteristics

1kHz / 1Vrms Equipment: LCR Meter



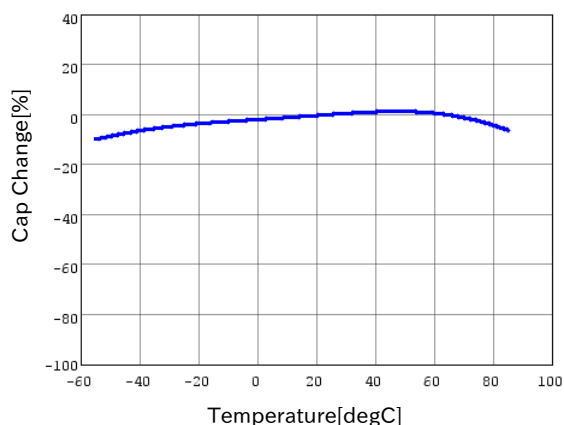
## 5. Capacitance-AC Voltage Characteristics

1kHz Equipment: LCR Meter



## 6. Capacitance-Temp. Characteristics

1kHz / 0.1Vrms Equipment: LCR Meter



## 7. Temperature Rise-Ripple Current

Equipment: Temperature Rise - Ripple Current Measurement system

