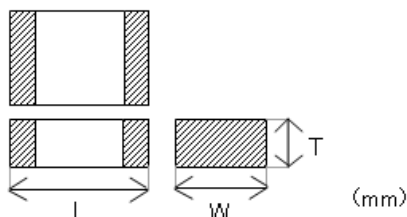


| Murata Global Part No. | Size(mm/inch) | Temp.Chara. | Cap.Value | Cap.Tol | Volt. |
|------------------------|---------------|-------------|-----------|---------|-------|
| GRM32ER61C476ME15 | 3225M/1210 | X5R | 47uF | +/-20% | 16V |

1. Dimension



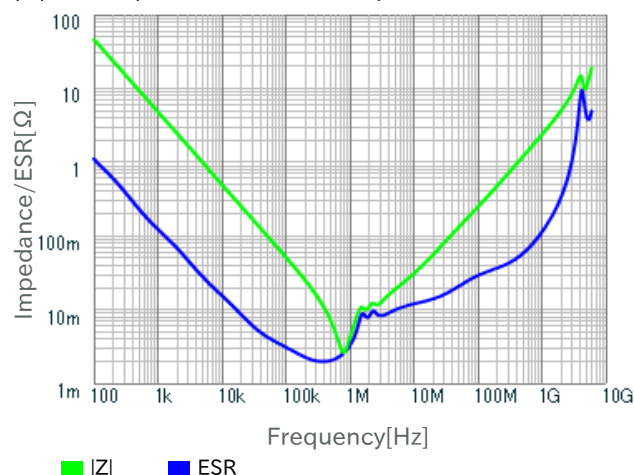
| L | W | T |
|--------------|--------------|--------------|
| 3.2+0.3/-0.3 | 2.5+0.2/-0.2 | 2.5+0.2/-0.2 |

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

| | Specifications | Measuring condition |
|-------------|------------------|---------------------|
| Capacitance | 37.6uF to 56.4uF | 120Hz / 0.5Vrms |
| D.F. | 0.1 (max.) | 120Hz / 0.5Vrms |
| I.R. | 1.06 (min.) MΩ | 16V, 60s |

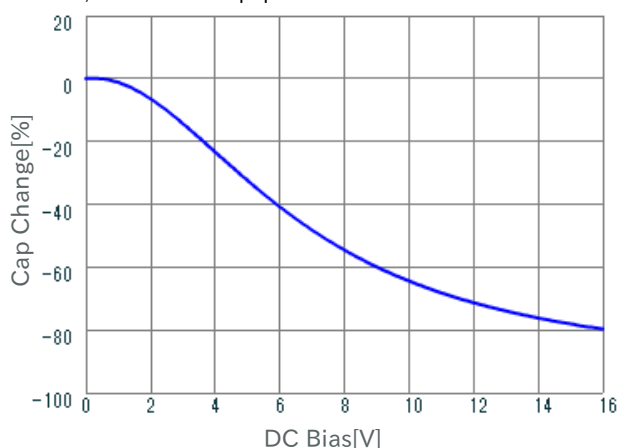
3. Impedance/ESR-Frequency

Equipment: Impedance & network analyzer



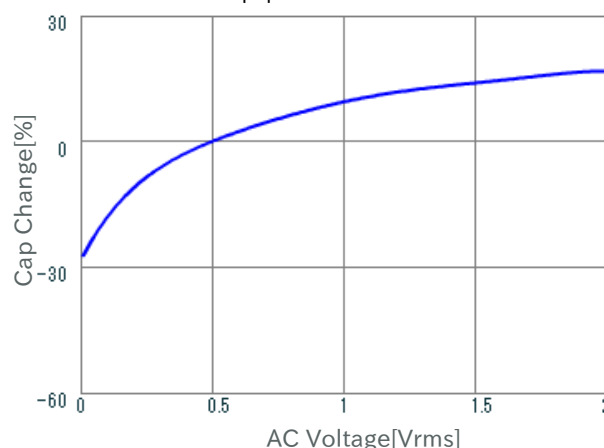
4. Capacitance-DC Bias Characteristics

120Hz / 0.5Vrms Equipment: LCR meter



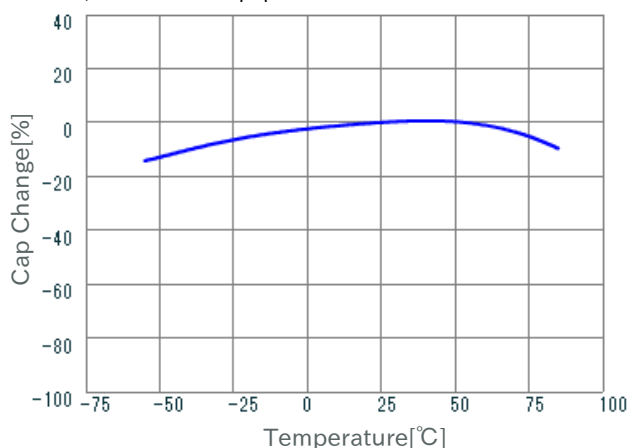
5. Capacitance-AC Voltage Characteristics

120Hz Equipment: LCR meter



6. Capacitance-Temp. Characteristics

120Hz / 0.5Vrms Equipment: LCR meter



7. Temperature Rise-Ripple Current

