

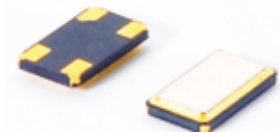
**Main Feature**

*Current part - Not recommended for new designs*

- RoHS compliant
- Seam Sealed Ceramic SMD type
- Cross Ref. No. ABMM and more

**Application**

- Communication, Test equipment
- Computers, Modems, Microprocessor



7.0\*5.0\*1.3mm

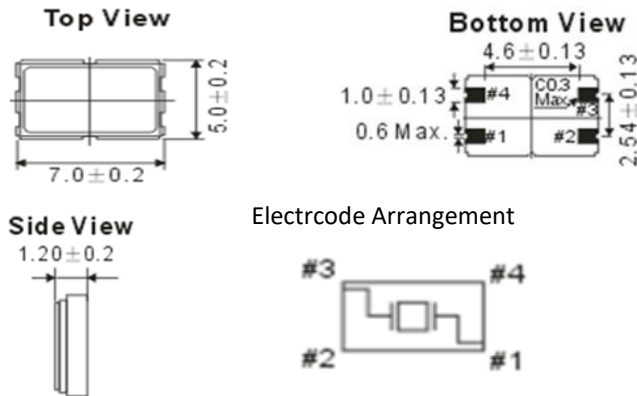
**Standard Specification**

Frequency Range: 6.0000MHz ~ 110.000Hz  
 Frequency Tolerance (at 25°C): ±10 ~ ±50ppm  
 Load Capacitance: 18pF (Typ.) or Specify  
 Frequency Stability: ±10 ~ ±100ppm  
 Operating Temperature: -20°C ~ +70°C and -40°C ~ +85°C  
 Equivalent Series Resistant: see Table 1  
 Storage Temperature: -40 °C ~ +85°C (typ.)  
 Aging (at 25°C): ±5ppm Max.  
 Shunt Capacitance (C0): 7.0pF Max.  
 Drive Level: 100µW Typ.  
 Package: 1000pcs/Reel

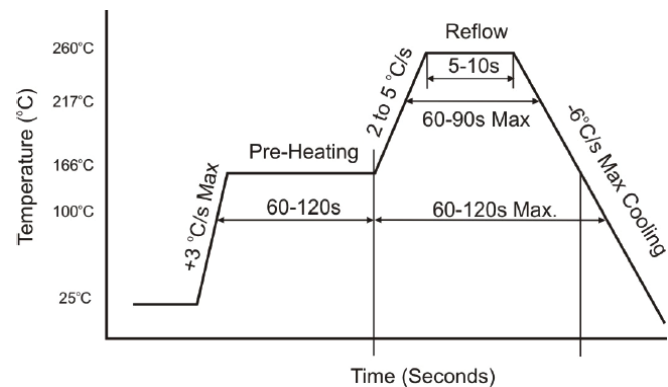
**Standard ESR Table 1**

Frequency Range in MHz	ESR Value in Ohm Max.
6.0000~6.9999 (Fund.)	120
7.00000~9.999(Fund.)	110
10.000~10.9999(Fund.)	80
11.000~11.9999 (Fund.)	70
12.0000~15.999(Fund.)	60
16.000~39.999 (3rd OT)	40
40.000~84.999(3rd OT)	70
85.000~110.000(3rd OT)	60

**Dimension ( Unit: mm)**



**Reflow Profile Condition(260 °C Max.)**



**TGS part No. Guide**

TGS	CM75	8M0A	50-	18-	50-	40-	110	T	LF	XX
	1	2 3	4	5	6	7	8	9	10	11

- 1) CM75: TGS Part Family No.
- 2) 8M0: Frequency Range in MHz or specify
- 3) Oscillator Mode- A: AT- Cut Fund. ; B: Bt-Cut; C: 3rd OT
- 4) 50: Frequency Tolerance in +/-50ppm or specify
- 5) 18: Load Capacitor in pF or specify
- 6) 50: Frequency Stability in +/-50 ppm or specify
- 7) 40: Operating Temp. in -40°C ~ +85°C or specify
- 8) 110: ESR Max. in 50 ohm or see table 1
- 9) T: Tape /Reel
- 10) LF: RoHS compliant
- 11) XX: 2 letters as Internal Control Code