

Crystal Units

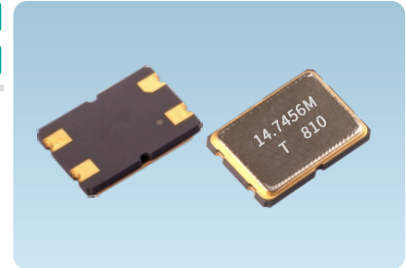


RoHS compliance

TX7 Type

7.0x5.0x1.1mm typ

6MHz up to 100MHz



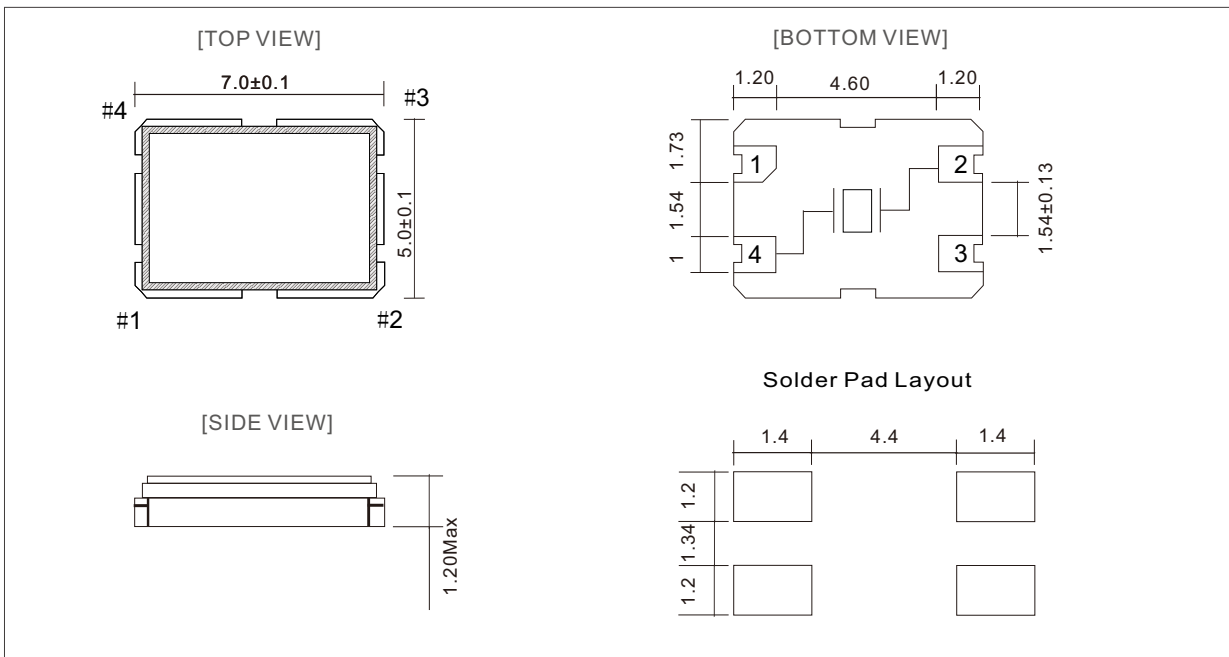
Feature

- Prepared frequencies can meet most of bluetooth chi.
- Excellent heat resistance and shock resistance.
- Products that are lead-free. These can meet the requirement of re-flow profiling using lead-free solder.

Specifications

Item	Type	TX7-Type				
		6~8MHz	8~16MHz	16~40MHz	40~84MHz	84~100MHz
Frequency Range		6~8MHz	8~16MHz	16~40MHz	40~84MHz	84~100MHz
Overtone Mode		Fundamental			3 rd Overtone	
Load Capacitance		10pF to Series				
Drive Level		100μW(300μW max.)				
Frequency Tolerance		±10×10 ⁻⁶ , ±20×10 ⁻⁶ , ±30×10 ⁻⁶ (at 25°C)				
Equivalent Series Resistance		100Ω max.	60Ω max.	40Ω max.	70Ω max.	60Ω max.
Temperature Stability		±10ppm, ±30ppm, ±50ppm (Refer to 25°C)				
Operating Temperature Range		-10~+60°C, -20~+70°C, -40~+85°C				
Storage Temperature Range		-55~+125°C				
Shunt Capacitance		7pF max.				
Insulator Resistance		500MΩ min.(At 100V _{DC})				
Aging		±2ppm max. (At 25°C, Frist year)				
Packing Unit		1000pcs/reel				

Outline Drawing(mm)

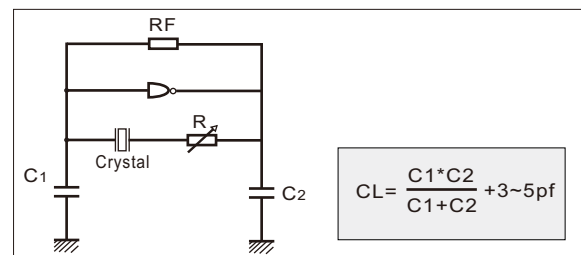


Frequency Stability Vs. Temperature Range

Temp.(°C)	Ppm	±5	±10	±15	±20
-10 ~ +60		+	✓	✓	✓
-20 ~ +70		×	✓	✓	✓
-40 ~ +85		×	×	+	✓

✓ Available + Conditional × Not Available

Oscillation Circuit of Fundamental Mode



Q.C
PASS

T1903A