

Crystal Units

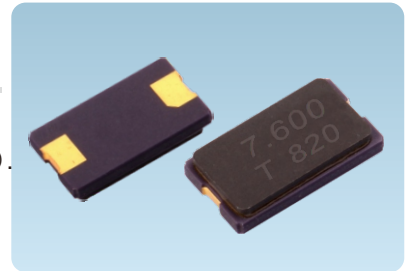


RoHS compliance

TXQ Type

8.0x4.5x1.40mm typ

7.3728MHz up to 70MHz



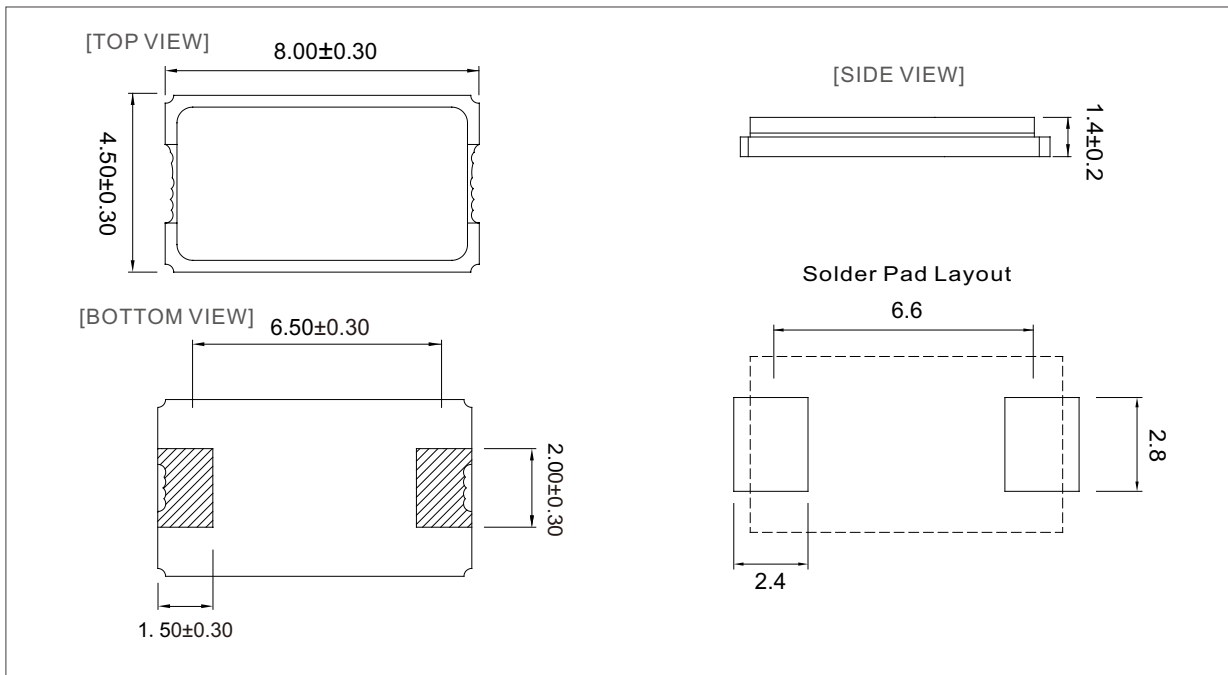
Feature

- Miniature and low profile surface mount crystal resonator (height 1.8mm).
- Offers a low frequency, 7.3728 to 70 MHz.
- High reliability due to excellent shock and vibration resistance.
- AEC-Q200 Compliant.

Specifications

Item	Type	TXQ-Type						
Frequency Range		7.3728~11MHz	11~14.1MHz	14.1~18MHz	18~20MHz	20~32MHz	32~48MHz	48~70MHz
Overtone Mode		Fundamental					3rd overtone	
Load Capacitance		8pF to Series						
Drive Level		10μW(300μW max.)						
Frequency Tolerance		±10×10 ⁻⁶ , ±20×10 ⁻⁶ , ±30×10 ⁻⁶ (at 25°C)						
Series Resistance		110Ω max.	50Ω max.	45Ω max.	30Ω max.	25Ω max.	110Ω max.	100Ω max.
Operating Temperature Range		-10~+60°C, -20~+70°C, -40~+85°C						
Storage Temperature Range		-55~+125°C						
Packing Unit		1000pcs/reel(Ø180)						

Outline Drawing(mm)



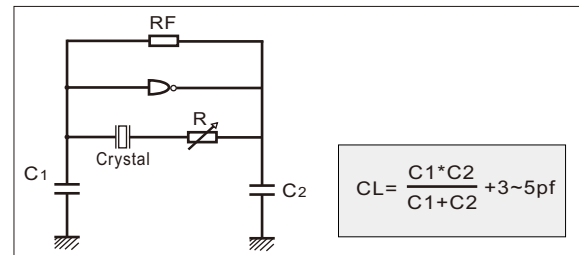
Frequency Stability Vs. Temperature Range

Temp.(°C)	Ppm	±5	±10	±15	±30
-10 ~ +60		+	✓	✓	✓
-20 ~ +70		×	+	✓	✓
-40 ~ +85		×	×	✓	✓

Temp.(°C)	Ppm	±15	±20	±30	±50
-40 ~ +105		+	✓	✓	✓
-40 ~ +125		×	×	+	✓

✓ Available + Conditional × Not Available

Oscillation Circuit of Fundamental Mode



Q.C PASS

T1903A