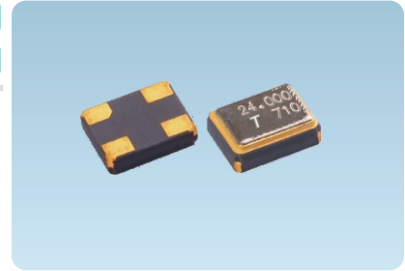


TX2 Type

2.5x2.0x0.45mm typ

12MHz up to 54MHz



Feature

A small surface mount type crystal unit, especially suited for small-sizing requirements.

- Ultra compact and thin. (2.5×2.0×0.45mm typ.)
- Tight Tolerance 10 ppm available.
- Application: Bluetooth ; Mobile phone ; W-LAN ; Office Automation ; Audio & Video.

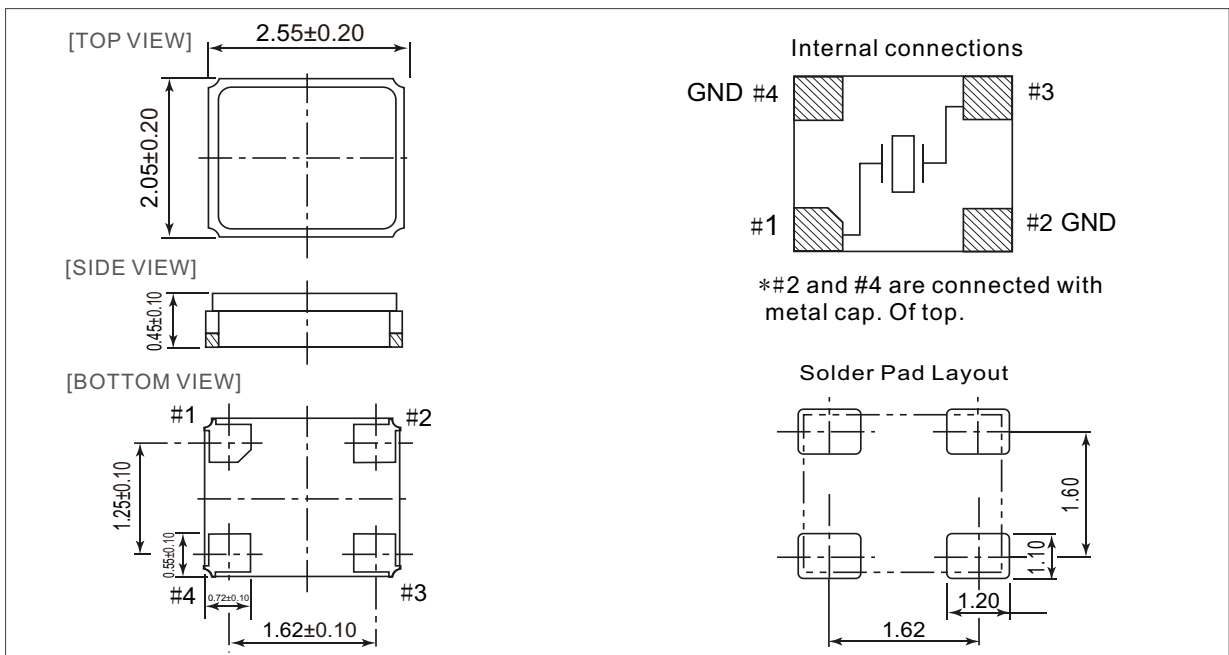
Automation ; Audio & Video.

- Meets the requirements for re-flow profiling using lead-free solder.

Specifications

Item	Type	TX2-Type		
Frequency Range		12~20MHz	20~30MHz	30~54MHz
Oscillator Mode		Fundamental		
Load Capacitance		8pF to Series		
Drive Level		10μW(200μW max.)		
Frequency Tolerance		±10×10 ⁻⁶ , ±20×10 ⁻⁶ , ±30×10 ⁻⁶ , ±50×10 ⁻⁶ (at 25°C)		
Series Resistance		150Ω max.	80Ω max.	60Ω max.
Operating Temperature Range		-10~+60°C, -20~+70°C, -40~+85°C		
Storage Temperature Range		-55~+125°C		
Packing Unit		3000pcs/reel(Ø180)		

Outline Drawing(mm)



Frequency Stability Vs. Temperature Range

Temp.(°C)	Ppm	±5	±10	±15
-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

