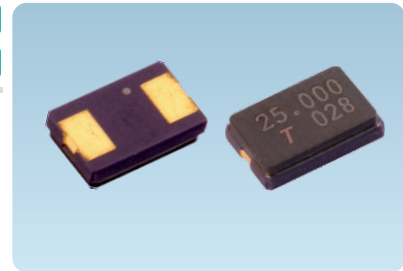


## TXS Type

5.0×3.2×1.2mm typ

8MHz up to 54MHz



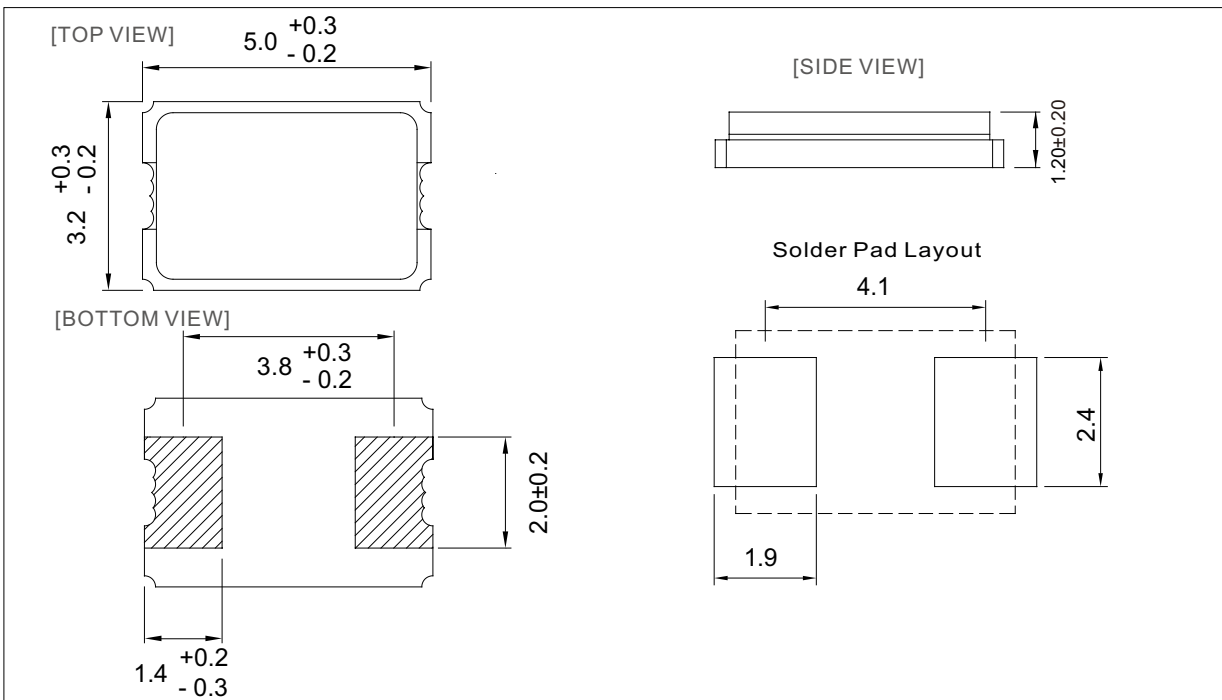
### Feature

- Miniature and low profile of 1.0mm, surface mount crystal resonator.
- Offers a high degree of reliability due to excellent environmental characteristic and heat resistance.
- AEC-Q200 Compliant.
- Application: Notebook, Computer, Hard Disk, Audio & Visual

### Specifications

Item	Type	TXS-Type				
Frequency Range		8~10MHz	10~16MHz	16~20MHz	20~30MHz	30~54MHz
Overtone Mode		Fundamental				
Load Capacitance		8pF to Series				
Drive Level		10μW(300μW max.)				
Frequency Tolerance		±10×10 <sup>-6</sup> , ±20×10 <sup>-6</sup> , ±30×10 <sup>-6</sup> (at 25°C)				
Series Resistance		180Ω max.	150Ω max.	100Ω max.	70Ω max.	50Ω 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

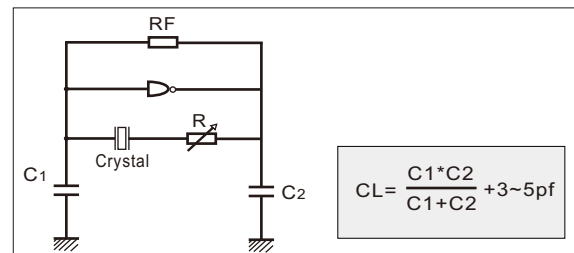
Temp.(°C)	Ppm	±5	±10	±15	±20
-10 ~ +60		+	✓	✓	✓
-20 ~ +70		×	+	✓	✓
-40 ~ +85		×	+	✓	✓

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

✓ Available + Conditional × Not Available

### Oscillation Circuit of Fundamental Mode



Q.C PASS

T1903A