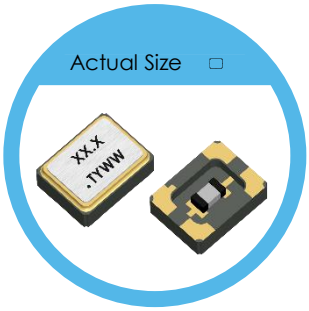
TAITIEN
Our Performance, Your Reputation

B3 Type
1.65 x 1.25 mm SMD Thermistor Crystal



RoHS Compliant

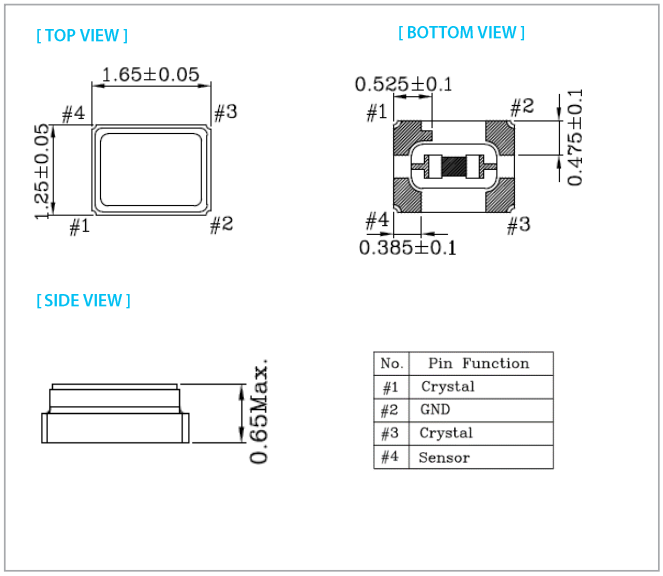
FEATURES

- Typical 1.65 x 1.25 x 0.65 mm ultra thin ceramic package.
- 8 mm width Tape & Reel package for automatic assembly.
- Tight Stability ±12 ppm available.

TYPICAL APPLICATION

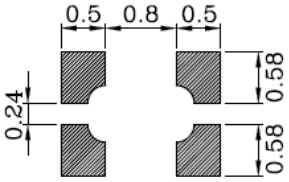
- Mobile Communication.
- IoT & Wireless Connectivity.
- Wearables.

DIMENSION (mm)



No.	Pin Function
#1	Crystal
#2	GND
#3	Crystal
#4	Sensor

SOLDER PAD LAYOUT (mm)



ELECTRICAL SPECIFICATION

Parameter	Min.	Typical	Max.	Unit
Storage Temp. Range	-40	-	105	°C
Standard Frequency		38.4,76.8		MHz
Level of Drive	-	10	250	μ W
Shunt Capacitance (C0)	-	-	3.0	pF
Insulation Resistance	500M Ω @ DC100V	-	-	
Aging		±3.0		ppm/year
Thermistor Resistance (25 ℃)		100		KΩ
B-Constant (25-50 ℃)		4250		K

Standard frequencies are frequencies which the crystal has been designed and does not imply a stock position.

EQUIVALENT SERIES RESISTANCE (E. S. R.)

Frequency Range	MODE	E.S.R.
38.4 MHz ≦ Fo < 60 MHz	A1	<50 Ω
60 MHz ≦ Fo≦ 76.8 MHz	A1	<30 Ω

FREQ. STABILITY vs. TEMP. RANGE

ppm / Temp.(°C)	±12	±15
-30 ~ +85	○	○
-40 ~ +85	X	○

* ○: Available △:Conditional X: Not available

Note: not all combination of options are available. Other specifications may be available upon request.
Specifications subject to change without notice.

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AT-0025
Rev(3) 10/2026