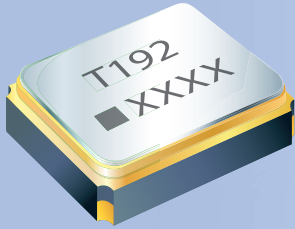


SMD Seam Temperature Sensing Crystals

2.5 x 2.0 x 1.0 mm OZ Series



Features

- High precision and high frequency stability.
- Excellent thermal coupling between thermistor and crystal.
- Application in mobile communications.
- RoHS Compliant / Pb Free.

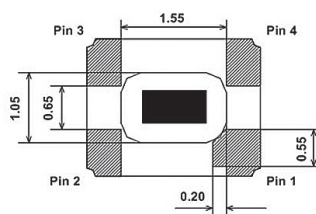
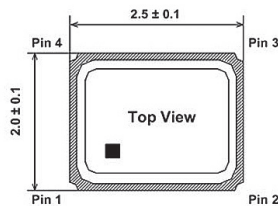
Electrical Specifications

Item / Type	OZ
Frequency Range	12 ~ 54MHz
Frequency Tolerance (at 25°C)	± 10 ppm , or specify
Frequency Stability Over Operating Temperature Range	± 10 ppm , or specify
Operating Temperature Range	-30 ~ 85 °C or specify
Shunt Capacitance (C0)	3 pF Max.
Drive Level	1 ~ 200 μW (50 μW typical)
Load Capacitance	8 pF , 10 pF , 12 pF , or specify
Aging (at 25°C)	± 3 ppm / year Max.
Storage Temperature Range	-40 ~ +85 °C
Thermistor Resistance (25°C)	100 kΩ , or specify
Thermistor B-constant (25~50°C)	4250, or specify

Equivalent Series Resistance(ESR)

Fundamental	
12 ~ 13 MHz	150 Ω Max.
14 ~ 30 MHz	100 Ω Max.
30 ~ 54 MHz	60 Ω Max.

Dimensions

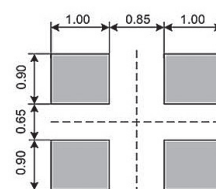


PIN FUNCTION

	Symbol	Function
Pin 1	XT1	XTAL Terminal 1
Pin 2	RT2	Thermistor Terminal 2
Pin 3	XT2	XTAL Terminal 2
Pin 4	RT1	Thermistor Terminal 1

Note:
 Pin 2 is connected to the metal lid and thermistor
 Pin 4 is connected to the thermistor only

SUGGESTED LAYOUT



Units: mm

Remark : Specification subject to change without prior notice. Please confirm with our sales. <http://www.txccorp.com>

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[7C032000IW1](#) [7C016000RW1](#) [7C026000MW1](#) [7C040000HW1](#) [7C012000RW1](#) [7C024000MW1](#) [7C026000HW1](#) [7C024576RW1](#)
[X201632MKB4SI](#) [7C027000MW1](#) [7E25000E18UCG](#) [7E50000E18UCG](#) [XYCCCLNANF-16.000000MHZ](#) [XYDBPCNANF-12MHZ](#)
[XYDBBCNANF-16.000000MHZ](#) [XYDBBCNANF-24.000000MHZ](#) [XYHCCLNANF-24.000000MHZ](#) [XYBBCLNANF-26.000000MHZ](#)
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