Quartz Crystals Series

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Double Oven Controlled Crystal Oscillator
TOC-2525 series

Features

- Low Phase Noise
- Small Hermetically Sealed Package
- Tight Frequency Stability
- Fast Warm-up Time
- Reference Voltage Output
- Low Power Consumption
- Applications：IEEE 1588 : G.8263 ,G.8273 ; Stratum 3E timing modules ;Sync E modules ;
- Time and frequency references ; Tests equipment

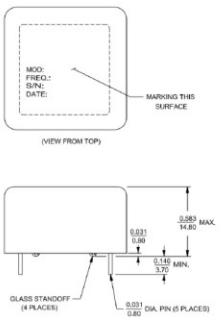
Electrical Specifications

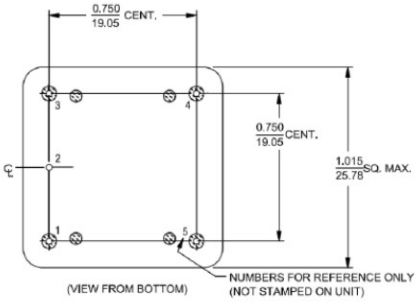
Item / Type	TOC-2525
Frequency	10MHz、100MHz
Initial Accuracy	±0.1ppm
Frequency stability over Operating Temperature	±5ppb, ±10ppb, ±20ppb, ±50ppb
Operating Temperature Range	-40°C to +85°C
Supply voltage stability	±1ppb
Short term 1s to 10s integration time	0.005ppb
Supply voltage (Vcc)	Standard options 3.3V ,5V ,12V
Aging	±50ppb max / year
Storage Temperature Range	-40°C to +95°C

Equivalent Series Resistance(ESR)

Parameter	Reference Std
Vibration(non-operating)	MIL-STD-202, Method 201
Shock(non-operating)	MIL-STD-202, Method 213, Test Condition J

Dimensions



PIN CONNECTIONS	
PIN	FUNCTION
1	R. F. OUTPUT
2	0 VOLTS & CASE
3 (See Note 1)	VCO INPUT or NOT CONNECTED
4 (See Note 1)	REFERENCE VOLTAGE or NOT CONNECTED
5	+VDC

Note 1. If the specification does not specify parameters for either PIN3 or PIN4 then that respective PIN is NOT internally CONNECTED.