

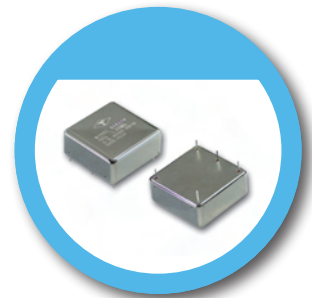
50.8 x 50.8 mm Oven Controlled Crystal Oscillator – NB Type

FEATURE

- Dimension 50.8x50.8x17.3 mm typical.
- SC Cut Crystal.
- Stratum 3E Performance.
- High stability ; Low Phase Noise.
- Packing: 16pcs/Box, 5Box/Carton , 90 pcs/Carton.

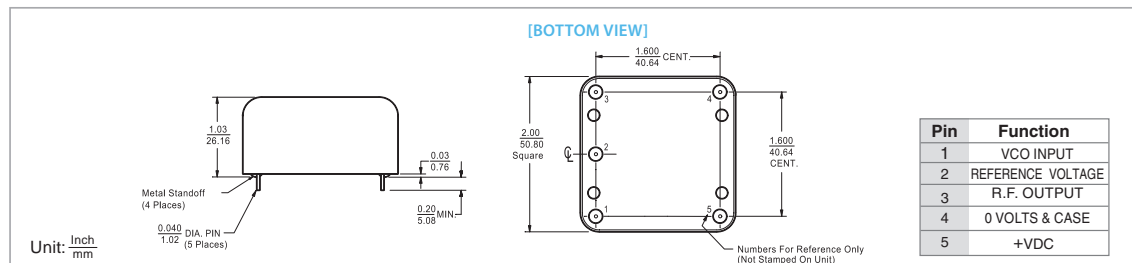
TYPICAL APPLICATION

- SDH/SONET, Telecommunication base station
- Test and measurement equipment
- Aerospace
- Synthesizer, Digital switch, Reference Timing Circuit



RoHS Compliant Standard

DIMENSION



ELECTRICAL SPECIFICATION

Parameter	Min.	Nominal	Max.	Unit	Test Condition
Output	Frequency	5.0		MHz	
	Wave Form	Sine Wave			
	Level	6.0	8.0	10.0	dBm
	Load		50		Ω
	Harmonics		-30		dBc
Frequency Stability	Spurious		-60		
	Ambient		±10	ppb	Referenced to +25°C
	Operating Temperature	-30	+70	°C	
	Aging		±0.5	ppb	After 30 days
	At time of shipment		±0.5		
	After indefinite storage - Daily		±50		
	- Yearly		±150		
	- 10 years		±2	dBc	±5% Change
	Voltage		±10		
	Warm-up		-130		
Electrical Frequency Adjustment	Phase Noise @5 MHz		-145		
			-150		
			-150		
			-150		
			-150		
			-150		
Input Power	Range	0.2	0.4	±ppm	
	Control	0.0	5.0	V	
	Slope		Positive		
	Center	2.0	2.5	3.0	V
	Input impedance	100			KΩ
Reference Voltage	Voltage	11.4	12.0	12.6	V
	Current			6.0	W
	Steady state			2.0	@ turn on
Reference Voltage	Voltage	4.75	5.0	5.25	V
	Load	9.0		∞	KΩ
	Temperature Stability			±0.01	VDC

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

*All aging stabilities are after storage of up to 1 year and apply after 30 days of continuous operation.

The daily aging rate also applies at the time of shipment from factory.

*The Electrical Frequency Adjustment Range is sufficient for the life of the oscillator. Specification subject to change with frequency.

Available Frequency Range: 5MHz to 80 MHz including 5.0, 10.0, 16.384, 19.44, 24.576 and 32.768 MHz.

FREQ. STABILITY vs. TEMP. RANGE

Temp. (°C)	ppb	±2	±5
0 ~ +55		○	○
0 ~ +70		△	○
-30 ~ +70		×	○

* ○: Available △:Conditional X: Not available