

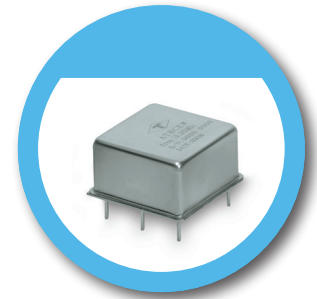
25.8 x 25.8 mm Oven Controlled Crystal Oscillator – NA Type

FEATURE

- Dimension 25.8 x 25.8 x 15 mm typical.
- SC Cut Crystal.
- High stability ; Low Phase Noise.
- Sine Wave or CMOS output ; Fast warm-up.
- Packing: 40pcs/Box, 5 Box/Cartron, 200pcs /Cartron.

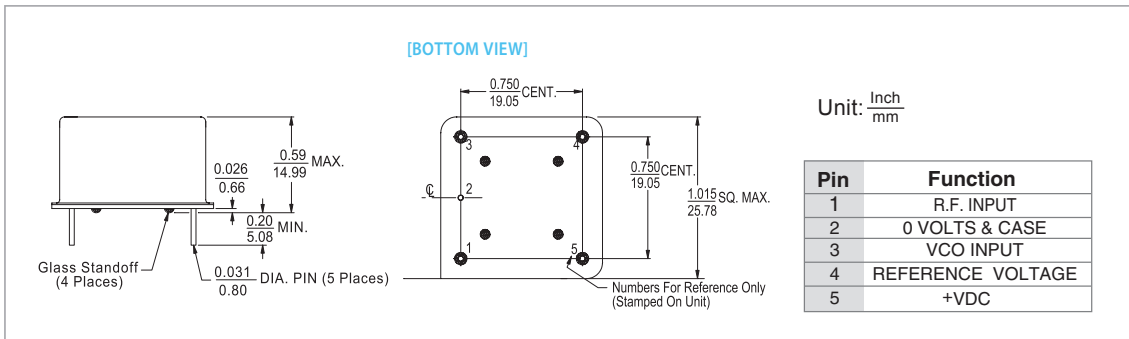
TYPICAL APPLICATION

- Base Station



RoHS Compliant Standard

DIMENSION



ELECTRICAL SPECIFICATION

Parameter		Min.	Nominal	Max.	Unit	Test Condition
Output	Frequency		10		MHz	
	Wave Form		Sine Wave			
	Level	2.0	4.0	6.0	dBm	
	Load		50		Ω	
	Harmonics		-25		dBc	
	Spurious		-60			
Frequency Stability						
Ambient	Operating Temperature	0		± 20 $+70$	ppb $^{\circ}\text{C}$	Referenced to $+25^{\circ}\text{C}$
	Aging					
At time of shipment	After indefinite storage- Daily - Yearly - 10 years			± 1.0 ± 1.0 ± 100 ± 350	ppb	After 30 days
				± 10		
				± 10		
				-115 -135 -140		
Voltage	Warm-up				dBc	$\pm 5\%$ hange
	Phase Noise @ 10MHz					In 3 minutes @ $+25^{\circ}\text{C}$ (Referenced to 1 Hour)
Electrical Frequency Adjustment						
Range	Control	0.4		1.0	$\pm\text{ppm}$	
	Slope	0.0		4.0	V	
			Positive			
Center	Linearity	1.4	2.0	2.6	V	Control Voltage at which nominal Frequency occurs at time of shipment
	Input impedance			10	%	
		50			K Ω	
Input Power	Voltage	4.75	5.0	5.25	V	
	Current			3.7	W	@ turn on
	Steady state			1.5		@ 25°C
Reference Voltage	Voltage	3.8	4.0	4.2	V	
	Load	9.0		∞	K Ω	
	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 40 MHz including 5.0, 10.0, 16.384, 19.44, 24.576 and 32.768 MHz

FREQ. STABILITY vs. TEMP. RANGE

Temp. ($^{\circ}\text{C}$)	ppb	± 2	± 5	± 10
0 ~ $+70$		○	○	○
-20 ~ $+70$		○	○	○
-40 ~ $+85$		△	○	○

* ○: Available △: Conditional X: Not available