

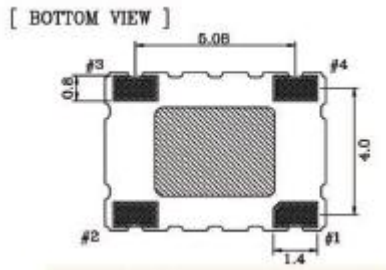
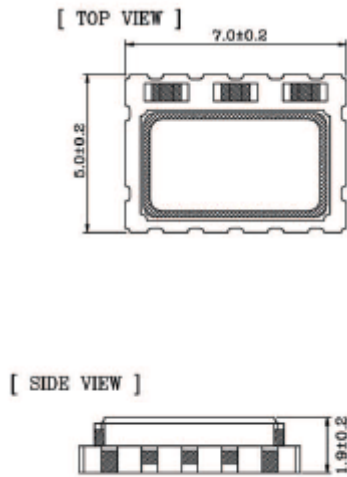
Features and Benefits

Better than +/- 280 ppb from -40°C to +85°C
 10 MHz low noise clipped sine output
 3.3V supply ; 3.5 mA
 Less than -145 dBc/Hz @ 1KHz offset
 Less than -154 dBc/Hz @ 10KHz offset

Typical Applications

Mobile SATCOM
 Mobile Radio
 Harsh Environments
 Femto-cell

Mechanical Drawing



PIN	FUNCTION
#1	Vcon VC-TCXO GND TCXO
#2	GND
#3	OUTPUT
#4	VDD

Specification

TCXO Specification	Sym	Condition	Value			Unit	Note
			Min.	Typ.	Max.		
Operational Frequency Range	f_0			10.000000		MHz	
Clip sine		Load Capacitance		10		pF	
		Load Resistance		10		K ohm	
		Output Level	0.8			Vpk-pk	
Power Supply							
Voltage	V_{CC}		3.150	3.300	3.450	V	
Current Consumption					3.5	mA	
Frequency versus Voltage							
Pin 1: Voltage Control: 1.5V +/- 1.0V			+/- 5.0			ppm	
Pin 1: Input Impedance			100			K ohm	
Frequency Stability							
Vs. Temperature		-40°C to +85°C			+/-0.280	ppm	
Vs. at 25°C		Initial Accuracy at time of shipment			+/-0.500	ppm	
Vs. Reflow Shift		After 24 hours settling time			+/-1.000	ppm	
Aging							
		After 30 Days of Operation			+/- 1.0	ppm	
SSB Phase Noise							
@ 10MHz		100 Hz		-130		dBc/Hz	
		1 KHz		-145			
		10 KHz		-154			
		100 KHz		-154			