

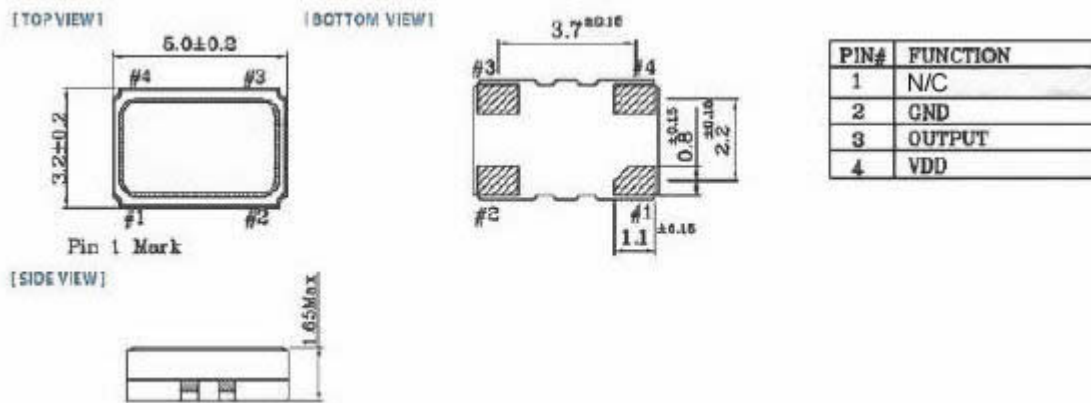
### Features and Benefits

Better than +/- 500 ppb from -40°C to +85°C  
 With respect to (  $F_{max} + F_{min}$  ) / 2  
 26.000000 MHz low noise cmos output  
 3.3V supply ; 6.0 mA max.

### Typical Applications

Mobile SATCOM  
 Mobile Radio  
 Harsh Environments  
 Femto-cell

### Mechanical Drawing



## Specification

TCXO Specification	Sym	Condition	Value			Unit	Note
			Min.	Typ.	Max.		
Operational Frequency Range	$f_0$			26.000000		MHz	
CMOS		Logic Level High	2.97			V	
		Logic Level Low			0.33	V	
		Output Load Capacitance			15.0	pF	
		Duty Cycle	45	50	55	%	
		Rise and Fall Times			8.0	ns	
		Start Time			2.0	ms	
<b>Power Supply</b>							
Voltage	$V_{CC}$		3.130	3.300	3.470	V	
Current Consumption					6.0	mA	
<b>Frequency Stability</b>							
Vs. Temperature		-40°C to +85°C			+/- 500	ppb	With respect to ( $F_{max} + F_{min}$ )/2
Vs. at 25°C		Initial Accuracy one hour after exposure to one reflow			+/- 1000	ppb	
Vs. +/- 5% Supply Variation		@ 25°C			+/- 300	ppb	
Vs. +/- 10 % Load Variation		@ 25°C			+/- 200	ppb	
<b>Aging</b>							
20 year projected		After 30 Days of Operation			+/- 2.50	ppm	20 year Maximum
<b>SSB Phase Noise</b>							
@ 26 MHz		100 Hz		-117		dBc/Hz	
		1 KHz		-138			
		10 KHz		-153			
		100 KHz		-156			