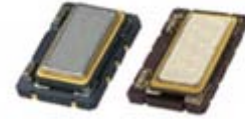


## Features

19.2 MHz Operating Frequency  
 Better than +/- 0.5 PPM stability from -30C to 75C  
 7.0 mm x 5.0 mm x 2.0 mm 10-pad SMD Package  
 -140 dBc/Hz at 1 KHz offset  
 2.8 to 3.3V Supply Operation

## Part Picture



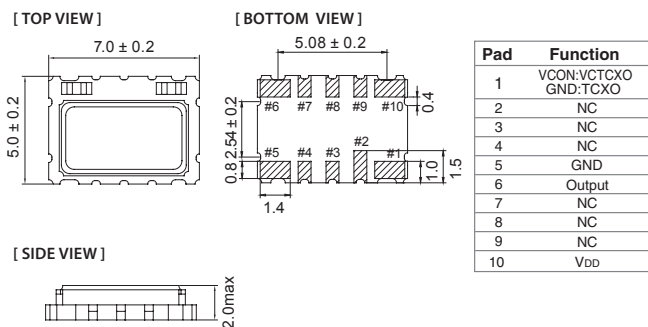
## Typical Applications

Test Instrumentation  
 Microwave Communications  
 Mobile Radio

## Description

The TCXOTC-19.200MHz device is a high precision low phase noise design incorporating the latest temperature compensation technology at a 19.2 MHz standard frequency.

## Mechanical Drawing and PIN Connections



**Specification**

TCXO Specification		Sym.	Condition	Value			Unit	Note
				Min.	Typ.	Max.		
<b>Operational Frequency Range</b>		$f_0$			19.2		MHz	
HCMOS	Logic 1			0.9*Vcc			V	
	Logic 0				0.1*Vcc		V	
	Duty Cycle			45	50	55	%	
	Rise / Fall					10	ns	
	Load				15		pF	
<b>Power supply</b>								
Voltage		V <sub>cc</sub>		2.8		3.3	V	
Current consumption						6	mA	
<b>Frequency stability</b>								
vs. temperature			From -30C to 75C	- 0.5		+ 0.5	PPM	
Tolerance at 25C ;			24 hrs after REFLOW	- 1.0		+ 1.0	PPM	
<b>First Year Aging</b>								
First Year Aging			After 30 days operation	- 1.0		+ 1.0	PPM	
<b>SSB Phase noise</b> At 19.2 MHz sine wave			1KHz		-140		dBc/Hz dBc/Hz dBc/Hz dBc/Hz	
			10KHz		-148			
			100KHz					
			1MHz					