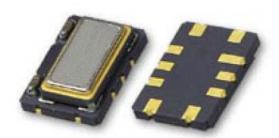
Features

Frequency 19.2 MHz
7mm x 5mm x 1.85mm ceramic SMD
+/-- 4.6 ppm total stability over 20 years
CMOS output
Tri-state Enable / Disable Function
+/-- 0.50 ppm from -40 to +85 centigrade degree

Picture of Part



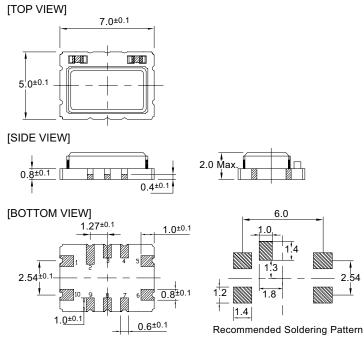
Typical Applications

Base stations 10 G-bit Ethernet SONET GSM, CDMA, 3G, and 4G cellular

Description

The TCXO3404 family offers low noise compensation techniques combined with aggressive conditioning processes resulting in outstanding long term stability, tightly distributed performance parameters, and superior long term reliability.

Mechanical Drawing and PIN Connections



Pad	Function					
1	VCON: VC-TCXO					
	NC : TCXO					
2	NC					
3	NC					
4	NC					
5	GND					
6	CMOS/ Clipped					
6	Sinewave Output					
7	NC					
8	NC					
9	Tri-State Control*					
10	VDD					

Specification

TCXO Specification		Sym.	Condition	Value			Unit	Note
				Min.	Tvp.	Max.		
Operational Frequency Range		f_0			19.200		MHz	
	1				ı	1		
	Load					15	pF	
	H - level voltage	V_{H}		0.9Vcc			V	
	L - level voltage	$V_{\rm L}$				0.1Vcc	V	
	Rise & Fall time						ns	
	Duty cycle			45		55	%	
Power suppl								
Voltage		Vcc		3.135	3.300	3.465	V	5.0 V option available
Curre	Current consumption					6.0	mA	square wave
	P	Icc						1
		1			T	1		
	. 1 *1**							
Frequency stability vs. temperature			-40°C to +85°C, ref 25°C	-0.500		+0.500	ppm	
vs. 5% change in supply voltage			ref Vcc typ.	-0.300		+0.300	ppm	
Tolerance at 25C			ici vee typ.	-2.000		+2.000	ppm	Frequency 1 hr after reflow
1 oterance at	1230		100 Hz	2.000	-120	12.000	PPIII	requency i in arter renow
SSB Phase noise			100 Hz		-120			
@12.8 MHz CMOS typical			10 kHz		-148		dBc/Hz	
Tri-state			Output OFF			0.3Vcc		
Enable Disable			Output ON	0.7Vcc		0.5 / 00		
								1
Total	Over 20 years		Projected after	-4.600		+4.600	ppm	
Tolerance	-		30 days operation					See NOTE 1 on Page 3
Environmen	ital, mechanical cond	itions.		·				•
Operating temperature range			-40°C to +85°C maximum rai	ıge available t	hat is stand	dard		
Storage temperature range		-55°C to +125°C						
36 1 1 1								
Mechanical shock								
Vibration Soldering								
Soldering								