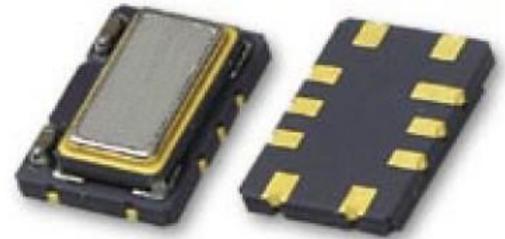


Features

Frequency 40 MHz
 7mm x 5mm x 1.85mm ceramic SMD
 +/- 4.6 ppm total stability over 20 years
 Clipped sine output
 Tri-state Enable / Disable Function
 +/- 0.5 ppm from -40C to +85C

Picture of Part



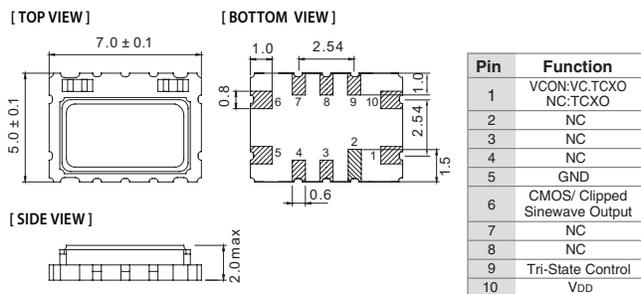
Typical Applications

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

Physical Dimensions and Pin Connections



Specifications

TCXO Specification	Sym.	Condition	Value			Unit	Note
			Min.	Typ.	Max.		
Operational Frequency Range	f ₀			40		MHz	
Clipped Sine	Level	L	0.800			Vpk-pk	
	Load Resistance	RL		10		Kohm	
	Load Capacitance	CL		10		pF	
Power supply							
Voltage	V _{cc}		3.135	3.300	3.465	V	
Current consumption	I _{cc}				6.0	mA	
Frequency control*							
Control voltage range	V _c	N/A				V	
Tuning range						ppm	
V _c Input Impedance						Kohm	
Frequency stability							
vs. temperature		-40 °C to +85 °C, ref 25 °C	-0.500		+0.500	ppm	
vs. 5% change in supply voltage		ref V _{cc} typ.	-0.300		+0.300	ppm	
Tolerance at 25C			-1.000		+1.000	ppm	Frequency 1 hr after reflow
SSB Phase noise @40 MHz Clipped sine typical Tri-state Enable / Disable		10 KHz		-145		dBc/Hz	
		Output OFF			0.3V _{cc}		
		Output ON	0.7V _{cc}				
Total Tolerance	Over 20 years	Projected after 30 days operation	-4.600		+4.600	ppm	Total Frequency Change over all conditions
Environmental, mechanical conditions.							
Operating temperature range	-40 °C to +85 °C maximum range available that is standard						
Storage temperature range	-55 °C to +125 °C						
Mechanical shock							
Vibration							
Soldering							