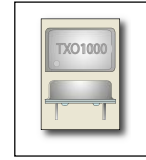


# TXO 1000

## Oven Controlled Crystal Oscillator



### FEATURES:

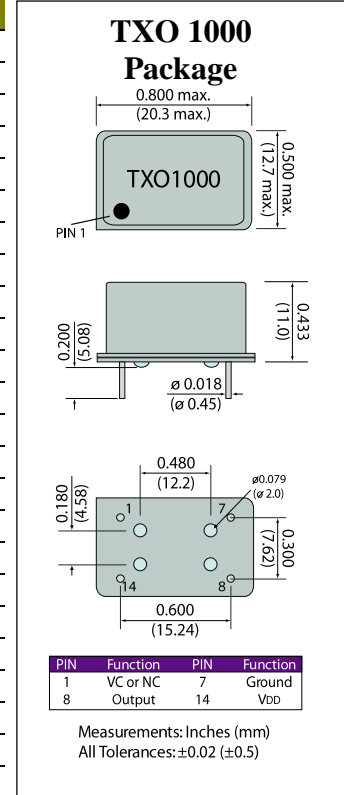
AT Cut

Metal Can, Thru-Hole

Stratum 3

20.4 x 12.7 x 11.0 mm

Parameter	Unit	Min.	Max.
Frequency <sup>(1)</sup>	MHz	5	40
Operating Temperature Range	°C	See Table	
Frequency Stability			
at 25°C	ppm	-0.1	0.1
vs. Temp. Range	ppb	See Table	
vs. Voltage	ppb	-50	50
vs. Warm-up <sup>(2)</sup>	ppm	-0.1	0.1
Aging			
Daily	ppb	-5.0	5.0
Yearly	ppm	-0.5	0.5
10 Years	ppm	-3.0	3.0
Output			
Voltage	V	5 ±5%	
Waveform		HCMOS	
Level		1= 3.5	0= 0.5
Load	pF	15	
Duty Cycle	%	45	55
Spurious	dBc	-	-60
Input Power			
Current	mA	-	400
Steady State @ 25°C	W	-	0.8
Phase Noise			
@ 10MHz	@ 10 Hz	dBc/Hz	-
	@ 100 Hz	dBc/Hz	-
	@ 1 kHz	dBc/Hz	-
	@ 10 kHz	dBc/Hz	-
Frequency Adjustment			
Range	±ppm	-	±5
Control	V	0.0	5.0
Slope		Positive	
Input Impedance	kOhms	100	-



### Frequency Stability vs. Temperature Range

Temperature	Stability (ppb)
0 to 70°C	±50, ±100, ±200
-30 to 70°C	±100 ±200
-40 to 85°C	±100, ±200

- (1) Typical Frequencies are 10, 12.8, 15.36, 19.2, 20.26 and 38.88MHz.  
 (2) Warm-up in 2 minutes @ 25°C reference to 1 hours

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Example Part Number: TXO1000-A-50-A-27-10M000

