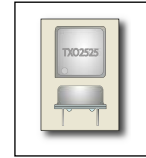


TXO 3627

Oven Controlled Crystal Oscillator



FEATURES:

SC Cut

Metal Can, Thru-Hole

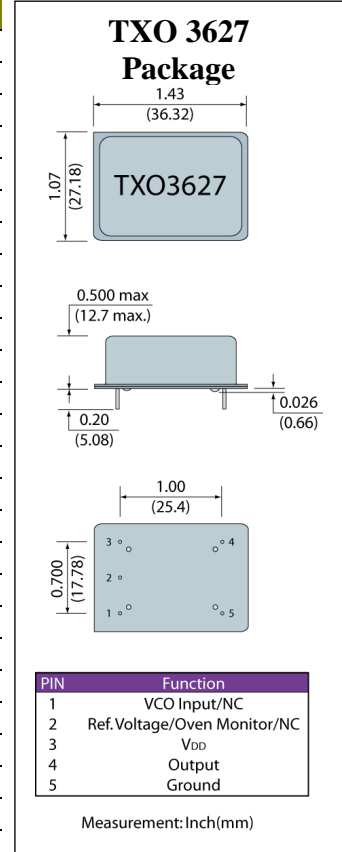
LVTTL Output

36.3 x 27.2 x 12.7 mm

Parameter	Unit	Min.	Max.
Frequency (1)	MHz	5	100
Operating Temperature Range	°C	See Table	
Frequency Stability			
at 25°C	ppb	-5	+5
vs. Temp. Range	ppb	See Table	
vs. Voltage	ppb	-0.5	+0.5
vs. Warm-up (2)	ppb	-10	+10
Aging			
Daily	ppb	-0.5	+0.5
Yearly	ppb	-50	+50
10 Years	ppm	-0.3	+0.3
Output			
Voltage	V	5.0 ±5%	
Waveform		LVTTL	
Level	V	1 = 2.4	0 = 0.4
Load	pF	15	
Duty Cycle	%	45	55
Spurious	dBc		
Input Power			
Current	mA	-	850
Steady State @ 25°C	W	-	1.3
Phase Noise			
@ 10MHz			
@ 10 Hz	dBc/Hz	-	-120
@ 100 Hz	dBc/Hz	-	-135
@ 1 kHz	dBc/Hz	-	-145
@ 10 kHz	dBc/Hz	-	-150
Frequency Adjustment			
Range	±ppm	-	0.5
Control	V	0	5.0
Slope		Positive	
Input Impedance	kOhms	100	-

(1) Typical Frequencies are 10, 12.8, 13, 15.36, 19.2, 20, 25, and 38.88MHz.

(2) Warm-up in 10 minutes @ 25°C reference to 1 hours



Frequency Stability vs. Temperature Range

Temperature	Stability (ppb)
0 to +70°C	±3, ±5, ±10
-30 to +70°C	±5, ±10
-40 to +85°C	±5, ±10

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Example Part Number: TXO3627-A-50-A-27-10M000

