



Features and Benefits

- 26MHz Frequency
- 3.3V Supply voltage
- Square wave Output
- ±2.5ppm Stability Vs -30C --+85C
- 20.4x20.4x10.7mm Size

Typical Applications

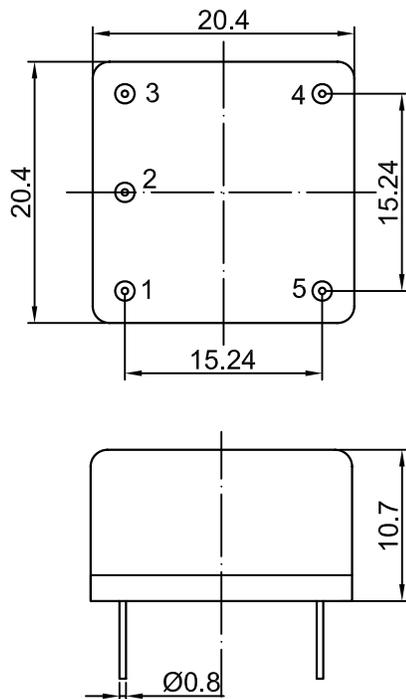
- Synthesizers
- SATCOM System
- Portable Applications

Description

TCXO2020AM-26MHz-A offers good frequency stability and low phase noise performance.

Mechanical Drawing & Pin Connections

Drawing No: MD1400, 2!(



Pin Function

Pin	Function
1	Supply Voltage
2	Output
3	GND
4	GND
5	GND

Unti in mm
1mm = 0.0394 inches



Specifications

Oscillator Specification	Sym	Condition	Value			Unit	Note
			Min.	Typ.	Max.		
Operational Frequency	F _{nom}			26		MHz	
Sinewave				Square wave			
Load				15		pF	
Duty cycle			45		55	%	
Rise/Fall time					5	nS	
	High Level		0.9V _{cc}			V	
	Low Level				0.33	V	
Power Supply							
Voltage	V _{cc}		3.15	3.30	3.45	V	
Current			6	8	10	mA	
Frequency Stability							
Versus temperature				±2.5		ppm	
Tolerance			0	±1	+1.0	ppm	
Versus change in supply voltage					200	ppb	
Versus change in load					200	ppb	
First Year Aging					+1.0	ppm	
Phase noise		1000 Hz		-130		dBc/Hz	
Environmental Conditions							
Operating temperature range	-30°C to 85°C						
Storage temperature range	-55°C to 100°C						