



Features and Benefits

Frequency range:26MHz
Supply voltage: 1.8V
Steady current: 2mA Max
Output waveform: Clipped sinewave
Frequency stability vs. operating temperature: ±0.5ppm
Aging: ±1ppm per year
Operating temperature: -30°C to +85°C
Size: 1.65x1.25x0.55mm

Typical Applications

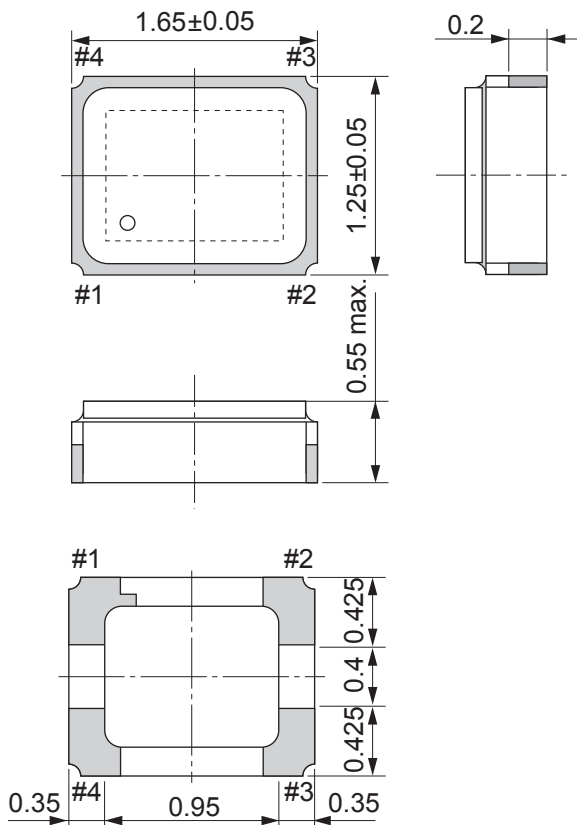
Mobile communication
GNSS unit
Low power communication

Description

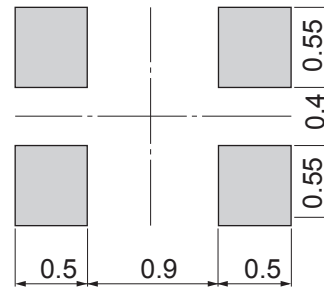
TCXO1612CG-26MHz-A offers wide temperature operation from -30°C to +85°C with outstanding frequency stability and low phase noise performance.

Mechanical Drawing & Pin Connections

Drawing No: MD20005+-1



Recommended Land Pattern



	Pin Configuration
#1	GND
#2	GND
#3	OUTPUT
#4	Vcc

Unit in mm
1mm = 0.0394 inches



Specifications

Oscillator Specification	Sym	Condition	Value			Unit	Note
			Min.	Typ.	Max.		
Operational Frequency	F _{nom}			26		MHz	
Output			Clipped sinewave				
Level			0.8			Vp-p	
Harmonics					-5	dBc	
Load			10kohm//10pF				
Power Supply							
Voltage	V _{DD}			1.8		V	
Current Consumption					2	mA	
Frequency Stability							
Versus temperature		-30°C to +85°C		±0.5		ppm	
Versus change in supply voltage				±0.2		ppm	
Versus change in load				±0.2		ppm	
First Year Aging				±1.0		ppm	
Environmental Conditions							
Operating temperature range		-30°C to +85°C					
Storage temperature range		-40°C to +85°C					
Reflow		Compatible					