



Features and Benefits

- Frequency range: 10MHz
- Supply voltage: 3.3V
- Steady current: 50mA Max
- Output waveform: CMOS
- Frequency tolerance: ±25ppm
- Pulling range: ±50ppm
- Operating temperature: -40°C to +85°C
- Size: 5.0x3.2x1.25mm

Typical Applications

- High-speed ethernet
- Fiber channel
- HDTV
- ATM
- Set-top box
- WiMAX
- Server
- SAS
- SATA

Description

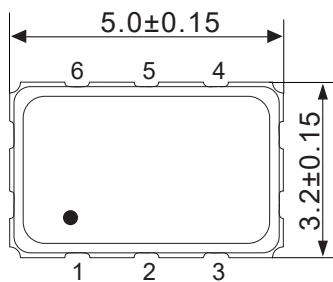
The VCXO5032AL-CMOS-10MHz-211 is designed for applications where exceptional frequency stability and timing is required.

It has both excellent temperature performance and frequency stability. These characteristics make it an excellent choice for timing applications.

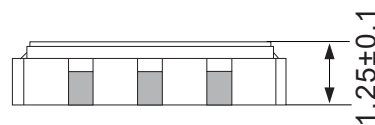
Mechanical Drawing & Pin Connections

Drawing No: MD240046-1

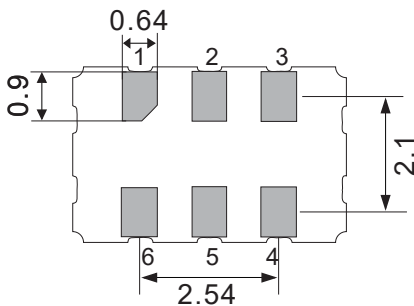
Top View



Side View



Bottom View



PIN	Function
#1	Control Voltage
#2	OE/Tri-State
#3	GND
#4	Output
#5	N.C.
#6	Supply Voltage

Unit in mm
1mm = 0.0394 inches



Specifications

Oscillator Specification	Sym	Condition	Value			Unit	Note
			Min.	Typ.	Max.		
Frequency Range	F _{nom}			10		MHz	
RF Output							
Signal Waveform			CMOS				
Load	R _L		15			pF	
H-Level Voltage	V _H		90% V _{cc}			V	
L- Level Voltage	V _L				10% V _{cc}	V	
Duty Cycle			45		55	%	
Rise/Fall time					5	nS	
Power Supply							
Supply Voltage	V _{cc}			3.3		V	
Start up Time	T _{up}				2	mS	
Current					50	mA	
Frequency Adjustment Range							
EFC voltage			0.3		3.0	V	
Electronic Frequency Control (EFC)			±50			ppm	
Linearity					10	%	
Input Impedance			1			M Ω	
Frequency Stability							
Frequency Tolerance				±25		ppm	
Environmental, Mechanical Conditions							
Operating temperature range			-40°C to +85°C				
Storage temperature range			-55°C to +125°C				