Ultra-Low Jitter Crystal Oscillator

XO2520BL-ULJ_CMOS-25MHz-113

Features and Benefits

Frequency range: 25MHz Supply voltage: 3.3V Current: 10mA Max.

Frequency stability vs. temperature: ±25PPM

Aging: ±3PPM 1st year

Operating temperature: -10°C to +70°C

Size: 2.5x2.0x0.9 mm

Typical Applications

- Wearable device
- Sport Video Cams
- Ultra-small Notebook PC
- Mobile Phones
- -Digital Circuit

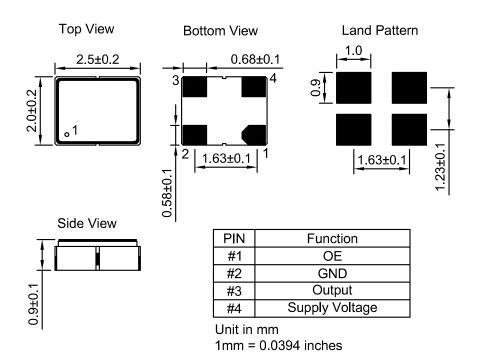
Description

XO2520BL-ULJ CMOS-25MHz-113 is the ultra-low jitter crystal oscillator. The RMS phase jitter can be 48fs typical. It can be widely used in the digital circuit and communication applications.

Mechanical Drawing & Pin Connections

Drawing No:

MD230031-1





Dynamic Engineers Inc.

2550 Gray Falls Dr., Suite#128, Houston, TX, 77077 USA TEL: 1-281-870-8822 EMAIL: Sales@DynamicEng.com

XO2520BL-ULJ_CMOS-25MHz-113

Ultra-Low Jitter Crystal Oscillator

Specifications

Sym	Sym Condition				Unit	Note
_		Min.		Max.	N 41 1-	
T ₀			25		IVIHZ	
			4.5			
		0.07	15			
		2.97				
	@10%-90% of V _{cc}		1.5			
		45				
			0.8	5		
		70%V _{cc}				
				30%V _{cc}	V	
				1	ms	
	Disable			200	ns	
V _{cc}	±10%		3.3		V	
			7	10	mA	
				0.5		
			9	35	uA	
	@25°C			±1.0	ppm	
	@-10°C to +70°C			±25	ppm	
	1st year			±3.0	ppm	
			-68		''	
	100Hz		-102			
			-139		dBc/Hz	
	10KHz					
				1		
			48	300	ts	
าร				<u> </u>		
	-10°C to +70°C					
e	-55°C to +150 °C					
	ns nge	© 10%-90% of Vcc Enable output Disable output Enable Disable Vcc ±10% © 25°C ©-10°C to +70°C 1st year 10Hz 10Hz 10Hz 10Hz 10KHz 10KHz 10KHz 10KHz 1MHz 5MHz 5MHz	© 25°C © -10°C to +70°C Sill Construct Constru	Min. 1yp. 25 25 25 297	Sym Condition Min. Typ. Max.	Sym Condition Min. Typ. Max.