TEL: 1-281-870-8822 EMAIL: Sales@DynamicEng.com

XO1490AL

14x9.6x5.6mm SMD XO



Features and Benefits

Frequency range: 1-170MHz

Supply voltage: 3.3V

Steady current: 50mA Max Output waveform: CMOS

Frequency stability vs. operating temperature: ±20ppm

Aging: ±3.0ppm per year

Operating temperature: -40°C to +85°C

Size: 14x9.6x5.6mm

Typical Applications

Fiber channel Ethernet SDH Serial ATA SCSI SONET

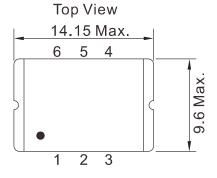
Description

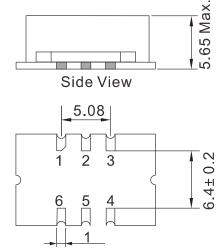
XO1490AL offers good frequency stability and low phase jitter performance.

Mechanical Drawing & Pin Connections

Drawing No:

MD230002-1



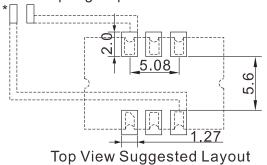


Buttom View

Pin Connections

Pin No.	Connection			
1	OE or NC			
2	OE or NC			
3	GND			
4	Output			
5	NC			
6	Vcc			

* External high frequency power supply decoupling required.



Unit in mm 1mm = 0.0394 inches



Dynamic Engineers Inc.

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Specifications

Oscillator Specification		Comme	Sym Condition	Value			11-26	Nete
		Sym		Min.	Тур.	Max.	Unit	Note
Operational Frequency		F _{nom}		1		170	MHz	
Output					CMOS			
Output load					15		pF	
Duty cycle				40		60	%	
Rise/Fall time						10	nS	
Level	High Level			0.9*Vcc			V	
	Low Level					0.1*Vcc	V	
Power Sup	ply							
Voltage		V _{cc}		1.8	3.3	5.0	V	
Current						50	mA	
Start up time						10	mS	
Frequency	Stability							
Versus Temperature				±20, ±25 or Specify		ppm		
Aging/Year			At +25°C			±3	ppm	
Phase Jitter			12KHz-20MHz			1	pS	
Period Jitter						40	pSec	
	ntal Conditions							
	ing temperature range -40°C to +85°C							
Storage ten	Storage temperature range -55°C to +125°C							