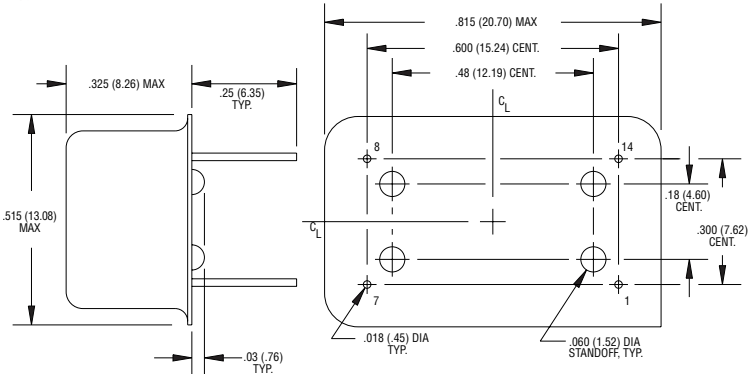


XO5060 Series

14 pin DIP, 5.0 Volt, Sinewave, OCXO

- Standard DIP Package
- Tight Stabilities
- Fast Warm-up
- Low Current

This product is not recommended for new designs



Dimensions are in inches (mm)

Pin connections
1. Frequency adjust
7. Case ground & supply return
8. R.F. Output
14. Supply (+)

Pin numbers shown for ref. only. Numbers are not marked on unit.

Ordering Information

	XO506x	XXX
Product Series	_____	
1:	Frequency = 12 MHz	
2:	Frequency = 13 MHz	
3:	Frequency = 16.384 MHz	
4:	Frequency = 12.6888281 MHz	
5:	Frequency = 10.150685 Mhz	
Assigned Customer Specific	_____	

	PARAMETER	Symbol	Min.	Typ.	Max.	Units	Condition
Electrical Specifications	Frequency Range	F	10	16.384		MHz	
	Operating Temperature	T _A		-40 to +60		°C	Contact factory for availability
	Stability Over Temperature	ΔF/F		±2.0 x 10 ⁻⁷			Contact factory for availability
	Short Term Stability						
	Aging			±5.0 x 10 ⁻⁷			Contact factory for availability
	Frequency vs. Supply					%	
	Frequency vs. Load					%	
	Supply Voltage	V _{dc}		5 V ±5%			
	Warm-Up Time			60 sec			@ -40°C steady state
	Warm-Up Current				250	mA	
	Supply Current	I _{cc}	0.5		5.0	Volts	
	Output Signal						Sinewave/HCMOS
	Rise/Fall Time	Tr/Tf				psec	
	Logic "0" Level	V _{ol}				Vdc	
	Logic "1" Level	V _{oh}				Vdc	
	Symmetry	Sym					
	Output Load						
	Frequency Adjustment (Pin 1)					Vdc	
	Tuning Slope				Positive		
	Input Impedance (Pin 1)						
Phase Noise (10 MHz typical)	1 Hz		-75			dBc/Hz	
	10 Hz		-105			dBc/Hz	
	100 Hz		-135			dBc/Hz	
	1 kHz		-145			dBc/Hz	
	10 kHz		-150			dBc/Hz	
Environmental	Mechanical Shock						
	Vibration						
	Storage Temperature						
	Hermeticity						
	Solderability						

MtronPTI reserves the right to make changes to the product(s) and service(s) described herein without notice. No liability is assumed as a result of their use or application.

Please see www.mtronpti.com for our complete offering and detailed datasheets. Contact us for your application specific requirements: MtronPTI 1-800-762-8800.

MtronPTI Lead Free Solder Profile

