

XO5285 Series

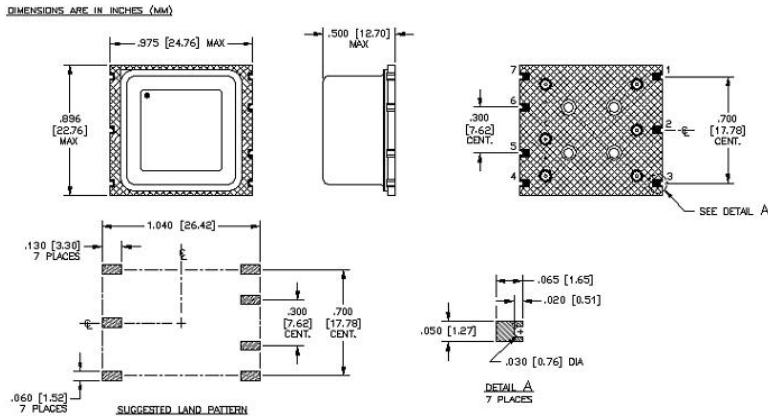
0.8 x 0.8 inch, 3.3 to 5.0 Volt, PECL, OCXO

- Through Hole and SMD packages available
- Small foot print for space constrained applications
- Ideal for short-haul microwave radios and network infrastructure controllers

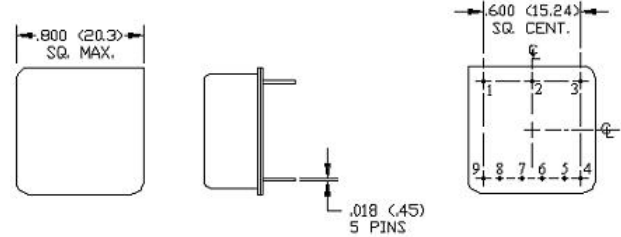


Ordering Information		00.0000
	XO5285 S -R	MHz
Product Series	_____	_____
Package Configuration	_____	_____
D: Through Hole	_____	_____
S: Surface Mount	_____	_____
RoHS Compliance	_____	_____
Blank: Non-RoHS	_____	_____
-V: RoHS 5/6	_____	_____
-R: RoHS 6/6	_____	_____
Frequency (Customer Specified)	_____	_____

SMD Package



PTH Package



	PARAMETER	Symbol	Minimum	Typical	Maximum	Units	Condition					
Electrical Specifications	Frequency Range	F_{ON}	50		125	MHz						
	Operating Temperature	T_A	-40 to +85			°C	Consult Factory					
	Stability Over Temperature	$\Delta F/F$		± 0.2		ppm						
	Yearly Aging				± 0.5	ppm	30 days continuous operation					
	10-years Aging				± 3	ppm						
	Supply Voltage	V_S	3.3 to 5			Volts	Consult Factory					
	Power Consumption				3.0	Watts						
	@ Warm-Up				1.25	Watts						
	Steady State @ 25°C											
	Warm-Up Time @ 25°C			To within ± 0.1 ppm in 2 minutes			Minutes	@ 25°C				
100EL PECL Output Signal	Rise/Fall Time	T_R/T_F Sym	45	300	55	psec						
	Symmetry							%				
	Output Load								Ω			
	Frequency Adjustment									Fixed Frequency Standard		Consult Factory for Tunable
	SSB Phase Noise											
Maximum @ 77.76MHz												
10Hz	-85		dBc/Hz									
100Hz	-115		dBc/Hz									
1kHz	-135		dBc/Hz									
10kHz	-145		dBc/Hz									
Environmental	Mechanical Shock	Per MIL-STD-202, Method 213, Condition C										
	Vibration	Per MIL-STD-202, Method 201 & 204										
	Storage Temperature	-55°C to 125°C										
	Hermeticity	Per MIL-STD-202, Method 112										
	Solderability	Per EIAJ-STD-002										

PECL Load – for 3Volt, see load circuit diagram #5, for 5Volt, see load circuit diagram #3.

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.