

MOC Series 2.488 GHz Surface Mount VCXO

Features:

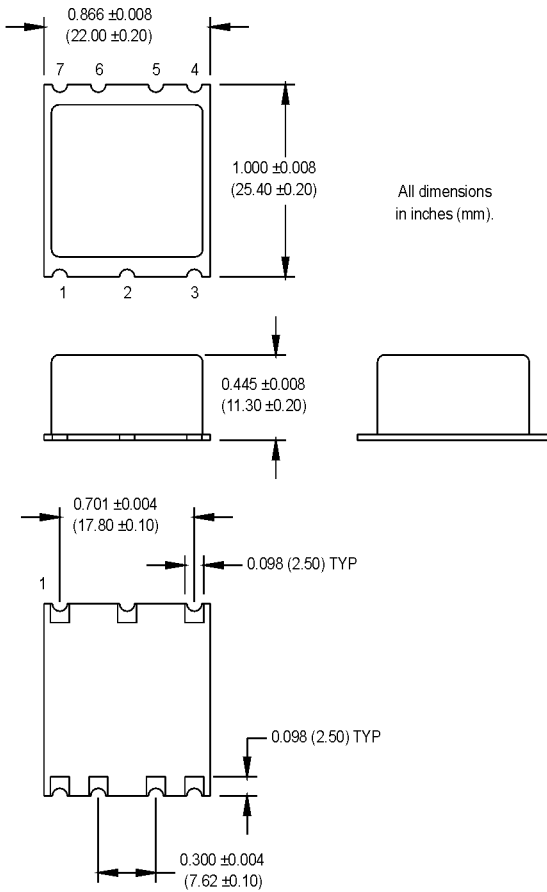
- Small surface mount package
- Wide tuning range
- Extended temperature operation
- Low phase noise
- Sinewave output

Applications

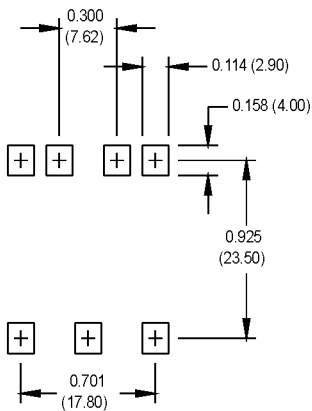
- SONET/SDH
- WLAN
- Wireless Base Station
- OC-48 Systems

Pin Connections

PIN	FUNCTION
1	Vcc
2	Ground
3	Control Voltage
4	Ground
5	RF Out
6	Ground
7	Ground



SUGGESTED SOLDER PAD LAYOUT



	PARAMETER	Symbol	Min.	Typ.	Max.	Units	Condition	
Electrical Specifications	Frequency Range	F	1.244		2.488	GHz		
	Frequency Stability	$\Delta F/F$	±20 ppm or reference signal accuracy					
	Operating Temperature	T _A	-40°C to +85°C					
	Input Voltage	V _{cc}	4.5	5.0	5.5	V		
	Input Current	I _{dd}			100	mA		
	Load				50	Ohms		
	Output Power	P _o	+7	+10	+13	dBm		
	Tuning Voltage		0.5		4.5	V		
	Tuning Range				±100	ppm		
	Phase Noise (Typical)		100 Hz	1 kHz	10 kHz	100 kHz	1 MHz	Offset from carrier
			-85	-120	-125	-130	-135	dBc/Hz
	Spurious Content					-50	dBcm	
	Harmonics					-20	dBc	
Environmental	Mechanical Shock	Per MIL-STD-202, Method 213, Condition C						
	Vibration	Per MIL-STD-202, Method 201 & 204						
	Hermeticity	Per MIL-STD-202, Method 112 (1 x 10 ⁻⁸ atm.cc/s of helium)						
	Solderability	Per EIAJ-STD-002						

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