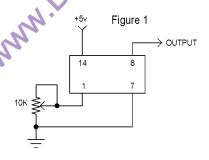
MXO5160 Series 14 DIP, 5.0 Volt, HCMOS/TTL, OCXO

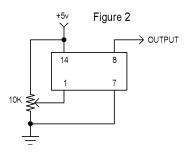


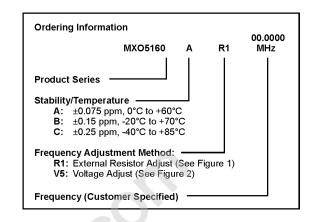


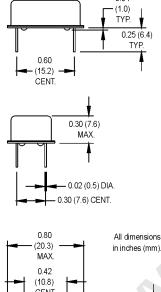
- Standard DIP/DIL package offering tight stabilities, fast warm-up, and low current
- Ideal for PCS base stations, cellular base stations, phase locking, and SAR/SAT applications



0.04







†	-		0.80 (20.3) MAX.	_	-	_	ensions es (mm).
1	_	1	0.42 (10.8) CENT.		-	- 7	
	ور (ه)	>		() -	0.22 (: CEN	0.52 (13.2) MAX.
14 			(1.0) DIA		YP.	8	1

Pin Connections

FUNCTION
Frequency Adjust
Case ground & supply return
R.F. Output
Supply (+)

	PARAMETER	Symbol	Min.	Мах.	Units	Condition		
	Frequency Range	F	10	20	MHz			
	Operating Temperature	TA	(See Ordering Information)		°C			
	Stability Over Temperature	∆F/F	(See Ordering Information)		ppm			
	Short Term Stability			5 x 10 ⁻¹¹		0.1 to 30 secs.		
	Aging (First Year)			±0.7	ppm			
	Aging (10 Years)			±4.0	ppm			
	Frequency Vs. Supply			±0.1	ppm			
	Frequency Vs. Load			±0.01	ppm			
	Supply Voltage	Vcc	+4.8	+5.2	Volts			
1	Warm-Up Time		To spec after 30 secs.			0°C		
Electrical Specifications	Warm-Up Current			250	mA	After 10 secs.		
cati	Supply Current	lcc		70	mA	+30°C		
cifi				110	mA	-20°C		
Spe	Output Signal					HCMOS/TTL Compatible		
g	Rise/Fall Time	Tr/Tf		7	ns	Ref. 10% and 90%		
ļ ţi	Logic "0" Level	Vol		0.4	Volts			
l jë l	Logic "1" Level	Voh	Vcc - 0.5		Volts			
1- 1	Symmetry	Sym		40/60	%	Ref. To 1/2 Vcc		
	Output Load			15 pf HCMOS		(
				10 LS TTL				
	Frequency Adjustment (Pin 1)		±4		ppm	See Figure 1 or 2		
	Tuning Slope		Positive					
	Input Impedance (Pin 1)		4.7K		ohms			
	Phase Noise					(BW = 1 Hz)		
	1 Hz			-70	dBc/Hz	Offset from carrier		
	10 Hz			-100	dBc/Hz	0,0		
	100 Hz			-130	dBc/Hz			
	1 kHz			-140	dBc/Hz			
tal	Mechanical Shock	2000 g, 0.3 mS, 1/2 sine						
Environmental	Vibration	2000 Hz, 10 g						
	Storage Temperature	-55°C to +125°C						
Vir	Hermeticity	Per MIL-STD-202, Method 112						
🛅	Solderability EIAJ-STD-002							
		-		-11-1				

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