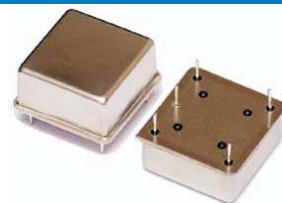




Oven Controlled Crystal Oscillator

FEATURE

- Oven Controlled Crystal Oscillator (OCXO).
- High Stability.
- Low Phase Noise.
- RoHS Compliant / Pb Free.

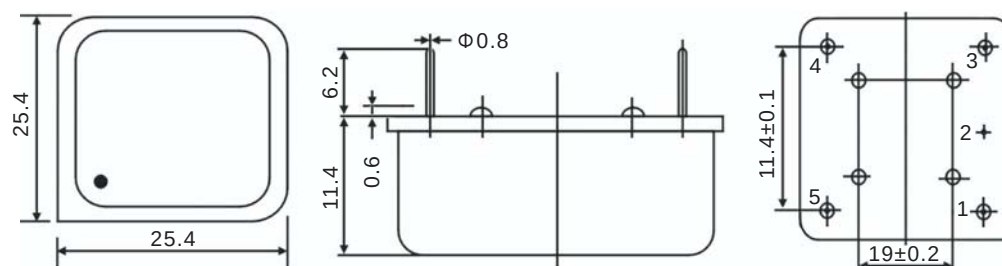


ELECTRICAL SPECIFICATIONS

Frequency Range		10.000MHz ~ 100.000MHz			
Model		AT cut		SC cut	
Supply Voltage V _{cc}		3.3V, 5.0V, 12V			
Temperature Range		0℃ ~ +70℃, -20℃ ~ +70℃, -40℃ ~ +85℃			
Temperature Stability		50ppb, 100ppb		10ppb, 20ppb	
Aging / Day		0.5ppb to 2ppb			
Aging / year		0.05ppm to 0.1ppm			
Warm-up Power		5W			
Warm-up Time		5 minutes to better than 0.1ppm of operating frequency			
		10 minutes to better than 0.05ppm of steady state frequency at 4 hours			
Steady State Power(25℃)		<1.5 Watts			
Aging Adjustment		External potentiometer/ DAC/Synchronization			
Adjustment Range		0.5ppm Min. 2.0ppm Max.			
Center Voltage		2.5V for 5V, 12V Input			
		1.65V for 3.3V Input			
Slope		Positive			
Spurious		-75 dBc			
Harmonics		-30 dBc			
Load		50Ω SINE / 15pF HCMOS			
Output Wave Form		Sine	HCMOS	Sine	HCMOS
Phase Noise @ (at 10.000Mhz)	1Hz	-75 dBc/Hz	-65 dBc/Hz	-90 dBc/Hz	-90 dBc/Hz
	10Hz	-100 dBc/Hz	-90 dBc/Hz	-120 dBc/Hz	-115 dBc/Hz
	100Hz	-130 dBc/Hz	-125 dBc/Hz	-135 dBc/Hz	-135 dBc/Hz
	1KHz	-140 dBc/Hz	-135 dBc/Hz	-150 dBc/Hz	-140 dBc/Hz
	10KHz	-150 dBc/Hz	-145 dBc/Hz	-150 dBc/Hz	-145 dBc/Hz
	100KHz	-150 dBc/Hz	-145 dBc/Hz	-150 dBc/Hz	-145 dBc/Hz

DIMENSIONS

PIN	Connection
1	Output
2	GND
3	Control V./N.C
4	Reference V. / NC
5	V _{cc}



PART NUMBER

GMK-OCXO2525-	25.000	-	50	-	12	-	S	-	B
	Frequency 25.000MHz		Temp. Stability 50ppb		Supply Voltage 12V		Output Wave Form: S:Sine Blank:HCMOS		Operating Temp A:0~70°C B:-20~70°C C:-40~85°C