



Oven Controlled Crystal Oscillator

FEATURE

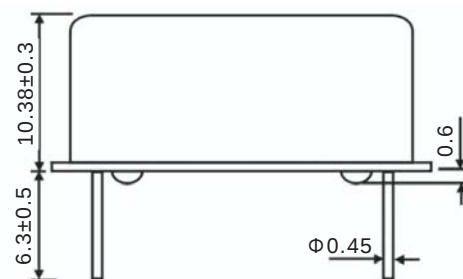
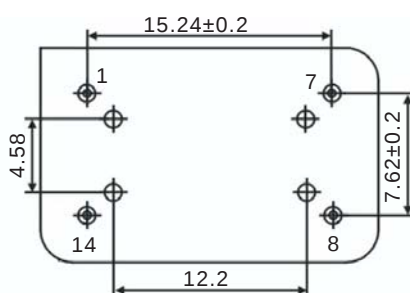
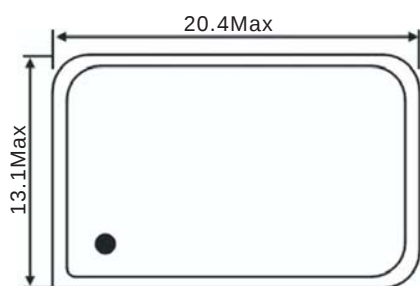
- Oven Controlled Crystal Oscillator (OCXO).
- High Stability.
- Low Phase Noise.
- RoHS Compliant / Pb Free.



ELECTRICAL SPECIFICATIONS

Frequency Range	10.000MHz ~ 60.000MHz
Model	AT cut
Supply Voltage V _{cc}	3.3V, 5.0V
Temperature Range	0°C ~ +70°C, -20°C ~ +70°C, -40°C ~ +85°C
Temperature Stability	100ppb, 250ppb
Aging / Day	±0.01ppm
Aging / year	±0.5ppm to ±1ppm
Warm-up Power	3W
Warm-up Time	3 minutes to better than ±200ppb of final frequency (4 hours reading) @25°C
Steady State Power(25°C)	1.2W @25°C
Aging Adjustment	External potentiometer/ DAC/Synchronization
Adjustment Range	±4.0ppm Min.
Center Voltage	2.5V for 5V Input 1.65V for 3.3V Input
Slope	1Hz offset from the carrier <-65dBc/Hz
Output Wave Form	HCMOS
Output Load	15pF HCMOS
Phase Noise @ (at 10.000Mhz)	10Hzoffset ≤ -90 dBc/Hz
	100Hzoffset ≤ -125 dBc/Hz
	1KHzoffset ≤ -135 dBc/Hz
	10KHzoffset ≤ -145 dBc/Hz
	100KHzoffset ≤ -145 dBc/Hz

DIMENSIONS



PART NUMBER

GMK-OCXOF-	25.000	150	3.3	B
	Frequency 25.000MHz	Temp. Stability 150ppb	Supply Voltage 3.3V	Operating Temp A:0~70°C B:-20~70°C C:-40~85°C

PIN	Connection
1	Control Voltage
7	GND
8	Output
14	V _{cc}