

Main Feature

- RoHS compliant
- Cross More OCXO type in market

Application

- Communication, Test equipment
- Measurement Equipment



20.5*13.2*12.7mm

Standard Specification

Frequency Range: 1.0 ~ 100.0MHz
 Oscillation Mode: AT Cut,SC Cut
 Supply Voltage: 3.3VDC, 5.0VDC,12.0VDC
 Storage Temperature: -40 °C ~ +85 °C
 Frequency Accuracy: ±1ppm(Center control voltage)
 Phase Noise:10Hz,-100dBc/Hz,100Hz,-120dBc/Hz,
 1KHz,-135dBc/Hz,10KHz,-145dBc/Hz

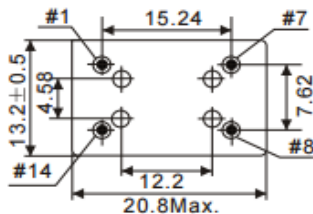
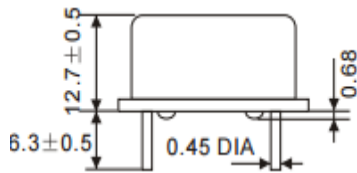
Adjustable Frequency Range: ±7.0ppm Max
 Frequency Stability vs.Load:±0.05ppm vs.±10% load change
 Frequency Stability vs.Voltage:±0.05ppm vs.±5% voltage change
 Control Voltage Range: 0~5V
 Slope: Positive, Linearity: ±10%
 Supply Consumption: 1.5W(Max.)when warm-up, 0.5W(Max.)when static
 Warm-up Timp:±0.1ppm,<1Min
 Aging: First year ±0.5ppm, 10year±3ppm
 Package: In Bulk

Table 1

FREQUENCY STABILITY VS TEMPERATURE

Code	Freq. Stability Vs Temp.	Temp. Range
01	±0.05ppm Max.	0°C ~+50°C
02	±0.2ppm Max.	-20°C ~+70°C
03	±0.5ppm Max.	-40°C ~+75°C

Dimension (Unit: mm)



PIN	FUNCTION
1	Control Voltage
7	GND/Case
8	Output
14	Power Supply

Table 2

OUTPUT WAVEFORM & LOAD CHARACTERISTICS

Output Waveform	Output Characteristics	Option Code
Clipping Sine Wave	Load:10K /10pF Output level:>1Vp-p	C
TTL	Load: Max.10 low power consumption TTL gates "1" level:>+2.4VDC "0" level:<+0.2VDC Duty Cycle: 45/55 Rise/fall time:<6ns	D
HCMOS	Load: Max.10 low power consumption TTL/HCMOS	E
ACMOS	Load: Max.10 low power consumption TTL/ACMOS "1" level:>+4.3VDC "0" level:<+0.5VDC Duty Cycle: 45/55 Rise/fall time:<6ns	F

TGS part No. Guide

TGS	O	A	30	A	01	C	B	LF	XX	-40M000
	1	2	3	4	5	6	7	8	9	10

- 1) O: OCXO 2)A:Dimensions 3)Supply Voltage; 50-5.0V; 30-3.3V; 4) Oscillation Mode: A:AT Cut S:SC Cut
 5) See Table 1 6) See Table 2 7)B: Bulk 8) LF: RoHS compliant
 9) XX: 2 letters as Internal Control Code 10) Frequency Range in MHz or specify