TCXO 14

Temperature Compensated Crystal Oscillator

Specification

Model	TCXO14
Frequency Range, MHz	1.0 ~ 40.0
Demensions, mm	20.8x13.2x9.6
Frequency Stability vs Temp.	See Table 1
Supply Voltage, VDC	+3.3, +5.0
Supply current	See Table 2
Operating Temp, °C	See Table 1
Storage Temp, °C	-40 ~ +100
Frequency Stability vs Loas	±0.1ppm Max vs ±10% load change
Frequency Accuracy, ppm	±1.0 max
Aging, PPM	±1 year max
Package	Bulk

Output Waveform & Load Characteristic

Output Waveform	Output Characteristics	Option Code
Clipping Sine Wave	Load: 10K /10pF Output level: >1Vp-p Current: 4mA Max	01
TTL	Load: Max 10 low power consumption TTL gates "1" level: >+2.4VDC "0" level: <+0.2VDC Duty Cycle: 40/60 Rise/fall time: <6ns Current: 20mA Max	02
HCMOS	Load: max 10 low power consumption TTL/HCMOS "1" level: >+4.5VDC "0" level: <+0.5VDC Duty Cycle: 40/60 Rise/fall time: <6ns Current: 20mA Max	03
ACMOS	Load: max 10 low power consumption TTL/ACMOS "1" level: >+4.5VDC "0" level: <+0.5VDC Duty Cycle: 40/60 Rise/fall time: <6ns Current: 20mA Max	04
Sine Wave	Load: nominal value 50 Output level: >2dBm Harmonic Attenuation: <-25dBc Noise Attenuation: <-75dBc Current: 20mA Max	05

Table 2

Application

- SDH/SONET
- ATM
- WLL
- Mesaurement Equipment

Features

- Wide Freq. Range up to 40.0MHz
- Low Aging
- TTL, HCMOS, ACMOS, Clipping Sing Wave, Sing Wave

Standart Frequencies

Standart Frequencies in MHz	
7.000000	9.600000
7.280000	10.00000
9.000000	40.00000
9.100000	

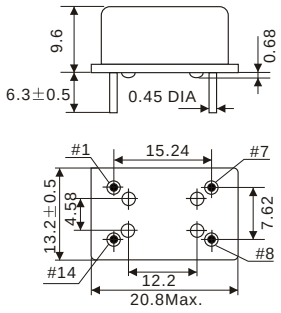
Other frequencies available. Please consult our sales office.

Frequency Stability vs Temperature

Frequency Stability	Temp Range
±1.0ppm max	0°C ~ +50°C
±1.5ppm max	0°C ~ +70°C
±1.5ppm max	-20°C ~ +70°C
±2.5ppm max	-30°C ~ +75°C
±3.5ppm max	-40°C ~ +85°C

Table 1

Trough hole Dimension, mm



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

Radiotech

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