

OSCILLATORS OSCILLATORS OSCILLATORS OSC

Temperature Compensated Crystal Oscillators (TCXO)

MODEL	PACKAGE (Inches)	FREQUENCY RANGE	TEMPERATURE STABILITY OPTION	INPUT SUPPLY VOLTAGE B +	OUTPUT OPTIONS	FREQUENCY ADJUST
10	1.400 x 0.80 x 0.38 (24 Pin DIP)	50 KHz to 30 MHz	A thru J except E	+ 5 Vdc	T, C, HC	1, 2
20	1.77 x 1.27 x 0.240 Low profile	50 KHz to 30 MHz	A thru J	+ 5 Vdc	T, C, HC	1, 2
30	1.0 x 1.0 x 0.36	50 KHz to 30 MHz	A, D, H, J	+ 5 Vdc	T, C, HC	1, 2
40	1.5 x 1.5 x 0.50	50 KHz to 30 MHz	A thru J	+ 15 Vdc	T, C, HC	1, 2
50	2 x 2 x 0.50	10 KHz to 120 MHz	A thru J	+ 15 Vdc	S, T, C, HC	1
60	2 x 3 x 0.75	50 MHz to 600 MHz	A thru J	+ 15 Vdc	S, E	1

Temperature Stability Options

A: $\pm 1 \times 10^{-7}$ +20°C, + 30°C
 B: $\pm 2 \times 10^{-7}$ 0°C, + 50°C
 C: $\pm 5 \times 10^{-7}$ -20°C, + 70°C
 D: $\pm 1 \times 10^{-6}$ 0°C, + 50°C

E: $\pm 1 \times 10^{-6}$ -55°C, + 85°C
 F: $\pm 2 \times 10^{-6}$ -55°C, + 85°C
 G: $\pm 5 \times 10^{-6}$ -55°C, + 105°C
 H: $\pm 15 \times 10^{-6}$ -45°C, + 95°C
 J: $\pm 20 \times 10^{-6}$ -45°C, + 95°C

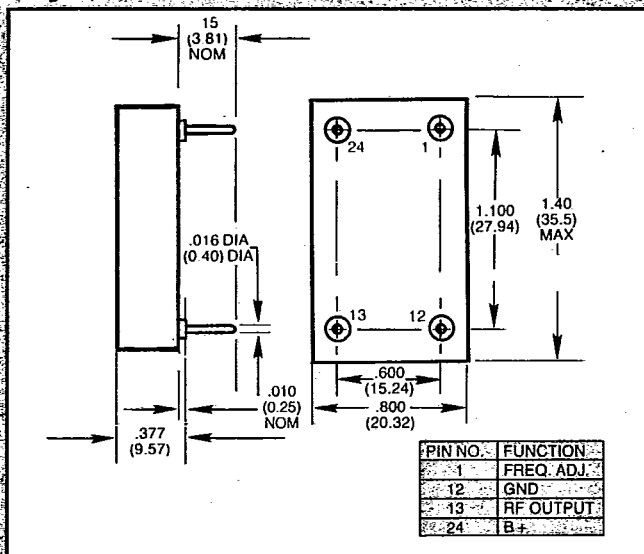
Output Options

S Sinusoidal
 T TTL
 C CMOS/4000 Series
 E ECL
 HC High Speed CMOS

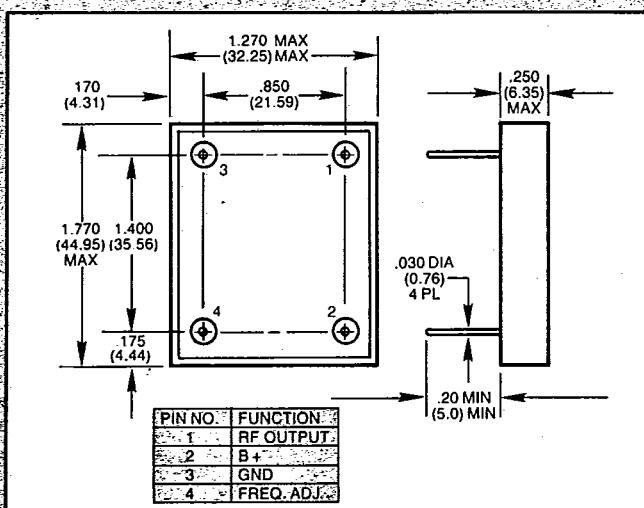
Frequency Adjust Options

1. Screw Driver
 2. External Voltage

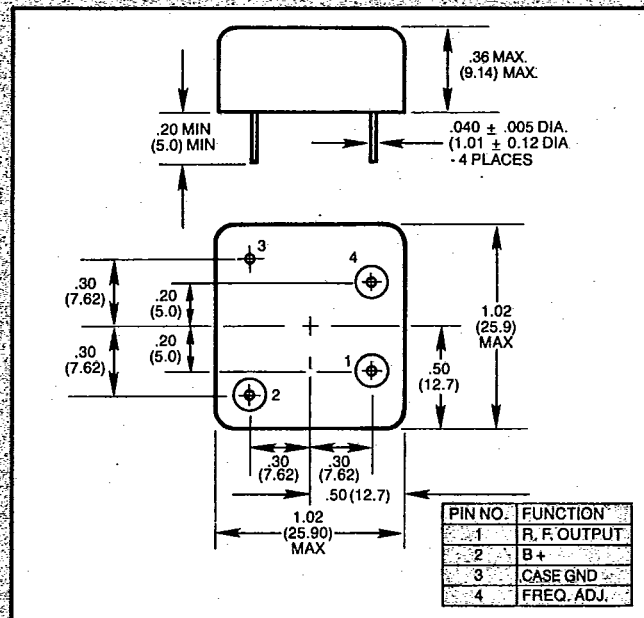
Crystal Oscillator Outlines



Model 10



Model 20



Model 30

Note: TCXO and VCXO packages are identical.
 Freq. Adj. is designated Control Volt on VCXO Models 10 thru 40.

Note: All dimensions in inches. Metric equivalent in parentheses. Tolerances: XX 0.02 (.50)
 XXX 0.010 (.25)

TCXO Ordering Guide

TC [Model Number] - [Desired Frequency (MHz)] - [Temp Stability] - [Output Waveform] - [Freq Adj]

Example: For a 24.999 MHz TCXO with a 1×10^{-7} ppm stability over +20°C to +30°C operating temperature range and with a TTL output in a 24 pin DIP configuration, formulate the following part number: **TC10-024.999-A-T-2**