Temperature Compensated Crystal Oscillators (TCXO)

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

Temperature Stability Options

A	± 1×10^{-7}	+20°C, + 30°C
B	± 2×10^{-7}	0°C, + 50°C
C	± 5×10^{-7}	−20°C, + 70°C
D	± 1×10^{-6}	0°C, + 50°C
E	± 1×10^{-6}	−55°C, + 85°C
F	± 2×10^{-6}	−55°C, + 85°C
G	± 5×10^{-6}	−55°C, + 105°C
H	± 15×10^{-6}	−45°C, + 95°C
J	± 20×10^{-6}	−45°C, + 95°C

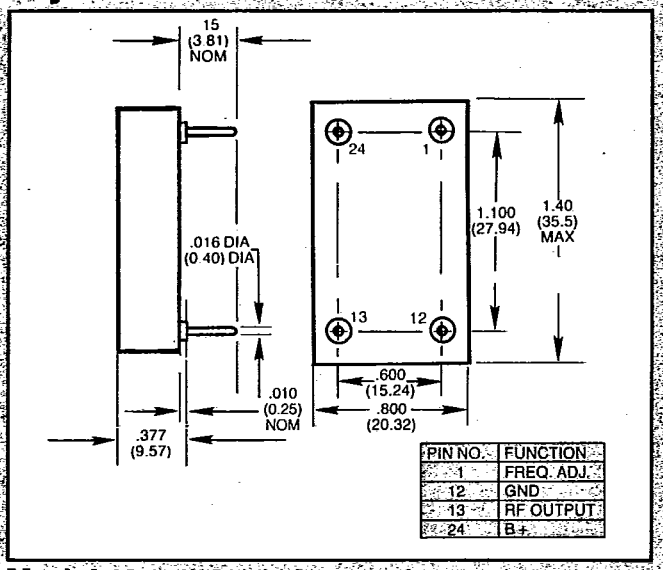
Output Options

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

Frequency Adjust Options

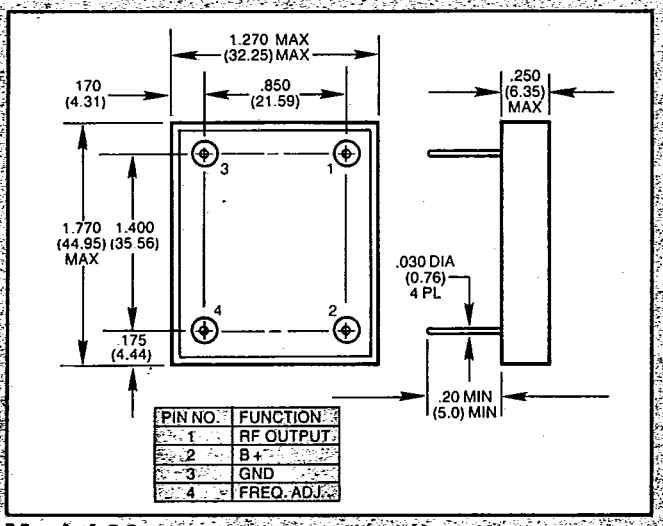
1. Screw Driver
2. External Voltage

Crystal Oscillator Outlines



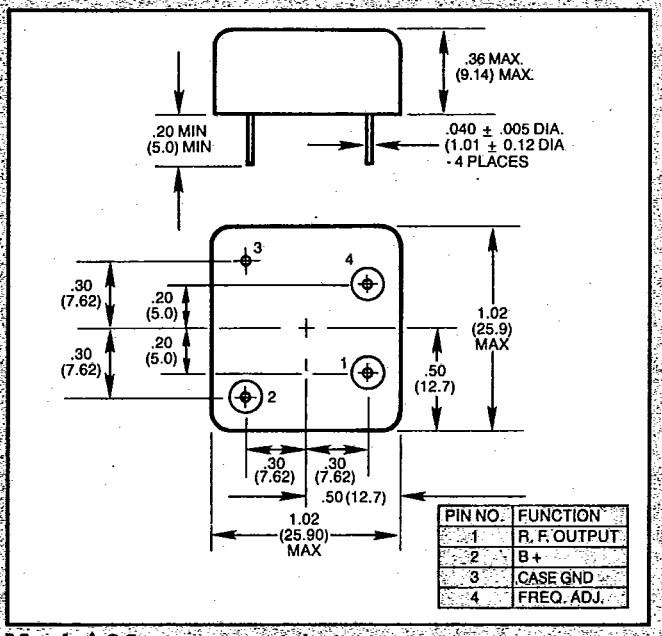
PIN NO.	FUNCTION
1	FREQ. ADJ.
12	GND
13	RF OUTPUT
24	B+

Model 10



PIN NO.	FUNCTION
1	RF OUTPUT
2	B+
3	GND
4	FREQ. ADJ.

Model 20



PIN NO.	FUNCTION
1	R. F. OUTPUT
2	B+
3	CASE GND
4	FREQ. ADJ.

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

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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**