MONITOR PC

TCVCXOs
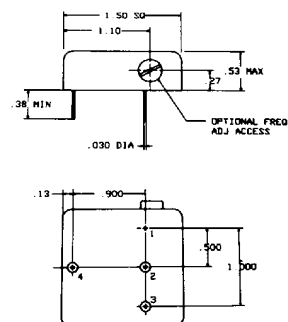
"7034"

VOLTAGE CONTROLLED TCXO

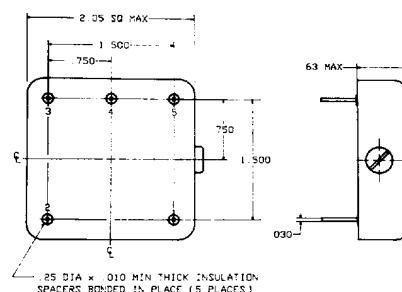# 7034

Frequency Range: 3.0MHz - 16MHz
Frequency Stability: ±30ppm
Operating Temperature Range: -55°C
to + 85°C
Input Voltage: 5VDC
Input Current: 35mA
Output Waveform: TTL compatible
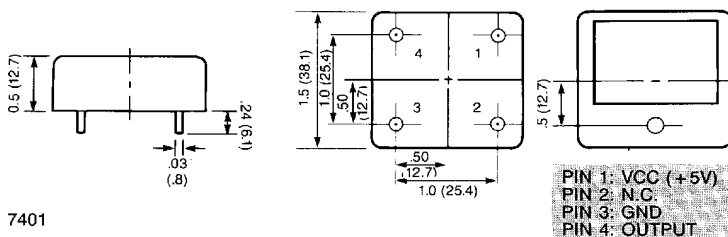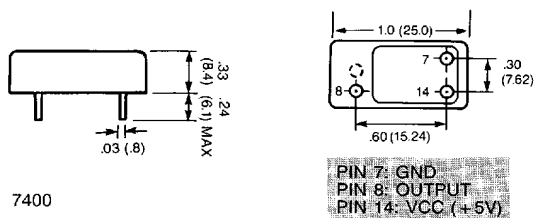Features: External VCO, 30.0 to
50.0 ppm/V

7145

Frequency Range: 5MHz - 20MHz
Frequency Stability: ±1ppm
Operating Temperature Range: -30°C to
+75°C
Input Voltage: 12VDC/5VDC
Input Current: 60mA
Output Waveform: TTL Compatible
Features: External VCO ±3.5ppm

ECONOMY TCXO UNITS

Economy TCXO units can be provided where cost is a primary consideration. These units are produced to the same rigid quality requirements as the precision units. The most popular applications are in commercial or industrial equipment where the stability must be upgraded from that obtained with crystal controlled oscillators. The cost savings between an economy TCXO and the precision units could include a less complex compensation circuit, non-military shock and vibration characteristics, or non-hermetic seal. In general Monitor will recommend the economy units in applications with limited temperature ranges and where cost is a primary consideration.

	7400 SPECIFICATIONS			7401 SPECIFICATIONS		
PART NUMBER*	7400A1A1	7400B2A1	7400D4A1	7401B2*2	7401B4*2	7401D7*2
OUTPUT FREQUENCY	5MHz to 20MHz			1MHz to 20MHz		
FREQUENCY STABILITY VS TEMPERATURE	±0.5 ppm +15°C to +35°C	±1 ppm 0°C to +50°C	±2 ppm −10°C to +60°C	±1 ppm 0°C to +50°C	±1 ppm −10°C to +60°C	± 2 ppm −20°C to +70°C
FREQUENCY STABILITY VS AGING	±1 ppm/year			±1 ppm/year		
SYMMETRY	60/40			60/40		
INPUT VOLTAGE	+5VDC ±5%					
OUTPUT LEVEL	TTL Compatible			CMOS, TTL, 1.0V Peak to Peak Clipped Sine Wave		
INPUT CURRENT	20mA max.			20mA max. 12 typical		
OPERATING TEMPERATURE RANGE	+5°C to +45°C	−10°C to +60°C	−20°C to +70°C	−10°C to +60°C	−20°C to +70°C	−30°C to +75°C
FREQUENCY ADJUSTMENT	±5 ppm min. by means of internal trimmer			±5 ppm min. by means by internal trimmer		

7400

PIN 7: GND
PIN 8: OUTPUT
PIN 14: VCC (+5V)

7401

PIN 1: VCC (+5V)
PIN 2: N.C.
PIN 3: GND
PIN 4: OUTPUT