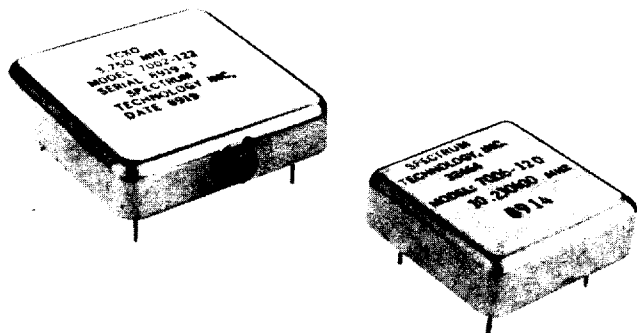


TCXOs & TCVCXOs

TEMPERATURE COMPENSATED CRYSTAL OSCILLATORS (STABLE FREQUENCY & CLOCK SOURCE)

SERIES 7000/7001/7002/7006/7010



FEATURES:

- Output TTL or CMOS logic, Sine wave, ECL, or special
- Low power consumption
- Any frequency, 1 Hz to 125 MHz depending on stability and temperature range
- Stability to 3×10^{-7} over temperature range
- Trim adjustment for ten years aging
- VCO input available
- Printed Circuit Board mounting
- QPL Units available M55310/04, /05, /06, and /07 (Spectrum Series 5004, 5005, 5006, and 5007)

DESCRIPTION AND APPLICATIONS:

Series 7000, 7001, 7002 and 7006 temperature compensated crystal oscillators are designed for applications requiring low power and short warm-up time. The units are designed to be terminal mounted on PC cards. Optimum temperature results and low aging are achieved with use of coldweld enclosed crystals and thermistor/varactor computer optimized compensation.

Prices range from approximately \$50.00 to \$350.00 depending on frequency, specified temperature range, and quantity.

SPECIFICATIONS:

INPUT:

Voltage: Any specified voltage between 5 to 20 Vdc, 10% regulation.
Current: 5 mA to 30 mA Typical

OUTPUT:

Frequency Range: 1 Hz to 125 MHz

STANDARD: Square wave

TTL: Logic 0: 0.5 V max. CMOS: 0.1 VDD max.
Logic 1: 2.5 V min. 0.9 VDD min.

OPTIONAL:

Sine wave, ECL or Special

STANDARD PIN CONNECTIONS:

- | | |
|----------------|------------------|
| 1. Supply | 3. No Connection |
| 2. Common/Case | 4. Output |

Series	2"x2"			1.5"x1.5"	
	7000	7001	7002	7006	7010
	0.63"	0.75"	0.50"	0.50"	0.30"

SPECIAL MODEL NUMBER DESIGNATION:

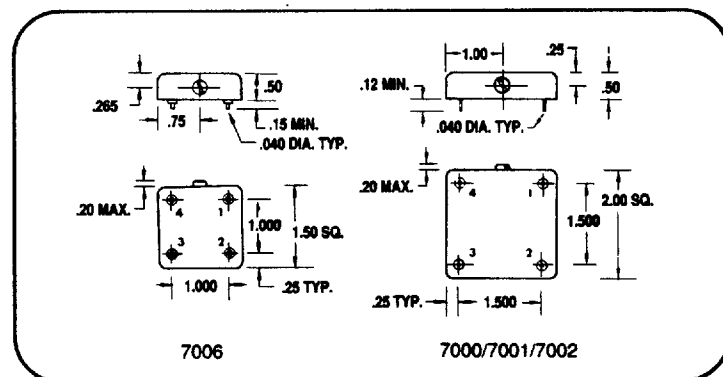
For specific applications a three digit dash number (suffix) is added to the Series number to provide a complete model number designation. This is assigned for convenience in ordering and is maintained as a unique cross reference designation to a specific customer part or specification number.

ACCURACY AND STABILITY OPTIONS:

Standard temperature ranges and accuracy/stability specifications are:

TEMP RANGE:	ACCURACY/STABILITY:
+15 to +35°C	
0 to +55°C	± 0.3 ppm
-20 to +65°C	± 1.0 ppm
-40 to +70°C	± 2.0 ppm
-40 to +85°C	± 5.0 ppm
-55 to +85°C	
-55 to +105°C	

Not all stabilities are available over the broader temperature ranges or at frequencies greater than 20 MHz.



Specifications subject to change without notice.

