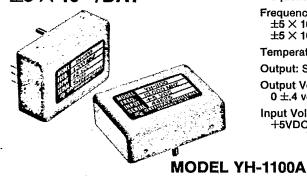


INDUSTRIES, INC

HIGH STABILITY OVEN CONTROLLED

20 KHz to 75 MHz TTL OUTPUT $\pm 5 \times 10^{-8}$ /DAY



SPECIFICATIONS:

Frequency Range: 20 KHz to 75 MHz

Frequency Stability: ±5 × 10⁻⁸/day ±5 × 10⁻⁸ over temperature range

Temperature Range: 0°C to +50°C

Output: Square, to drive up to 10 TTL loads

Output Voltage:

 $0 \pm .4$ volts to +2.4 volts minimum

Input Voltage:

+5VDC ±.25V with ±.2% regulation

Power: 5 watts maximum, at turn-on

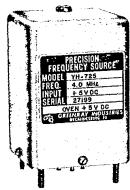
Size: $2.5 \times 1.8 \times 1.0''$ (L-W-H) 63.5 × 45.7 × 25.4 mm

Mounting: Studs Connector: PC pins

Frequency adjustment to compensate for

aging

1 MHz to 50 MHz TTL OUTPUT $\pm 1 \times 10^{-8}$ /DAY



SPECIFICATIONS:

Frequency Range: 1 MHz to 50 MHz

Frequency Stability: $\pm 1 \times 10^{-8}$ /day at fixed ambient after 30 days of aging

 $\pm 5 \times 10^{-8}$ over temperature range

Temperature Range: 0°C to +50°C

Output: Square wave, 50/50 ±10% to drive ≤10 TTL loads

Output Voltage: 0 ±.2V to +4V ±1V

Maximum Rise and Fall Time: 15 nanoseconds: 10 to 50 MHz

25 nanoseconds: 1 to 9.99 MHz

Input Voltage: +5V DC ±.25V for oscillator and proportional oven

Input Current: Oven 850 ma. maximum; Oscillator 50 ma. maximum

Size: $2.0 \times 2.0 \times 3.0$ " (L-W-H) $50.8 \times 50.8 \times 76.2 \text{ mm}$

Frequency Adjustment to Compensate for Aging

Proportional Oven Control

Connector: PC pins

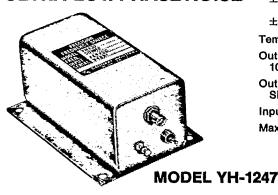
ORDERING INFORMATION:

Note: +28V DC oven option available-Specify Model YH-725C, same price. (Oscillator operates on +5V DC, oven on +28V DC)

MODEL YH-725

HIGH STABILITY CRYSTAL OSCILLATORS

1 MHz to 110 MHz SINE WAVE **ULTRA-LOW PHASE NOISE**



SPECIFICATIONS:

Frequency Range: 1 MHz to 110 MHz

Frequency Stability: $\pm 1 \times 10^{-9}$ /day at fixed ambient after 30 days

of aging (At 5 MHz) ±5 × 10⁻⁸ over temperature range

Temperature Range: -30°C to +70°C

Output Power:

10 mw minimum into a 50 ohm load

Output:

Sine wave, Harmonics -40 dB min.

Input Voltage: +15V DC ±2%

Max Input Power: Turn-On: 8W

Idle: 2W

Size: $2.0 \times 4.0 \times 2.0$ " (L-W-H) 50.8 × 101.6 × 50.8 mm

Connector: SMA; Filtercons for +28V DC

Mounting is optional

Frequency Adjustment to Compensate for Aging

Maximum SSB Phase Noise in a 1 Hz bandwidth (At 5 MHz)

10 Hz -100dB

100 Hz -130dB

1 kHz -160dB

Other stabilities and aging are available upon request.

A TECHNICORP COMPANY