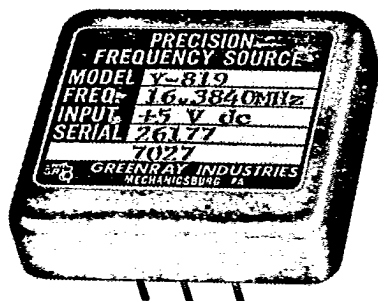




INDUSTRIES, INC.

CRYSTAL OSCILLATORS

1 Hz to 100 MHz TTL OUTPUT



MODEL Y-819

SPECIFICATIONS:

Frequency Range: 1 Hz to 100 MHz

Frequency Stability Over Temperature Range:
 $\pm 0.005\%$ Temperature Range: 0°C to $+70^{\circ}\text{C}$ Output Voltage: $0 \pm 0.4\text{V}$ to $+2.4\text{V}$ min.Output: Square wave 50/50 $\pm 10\%$ to drive ≤ 10
TTL loadsInput Voltage: $+5\text{V DC} \pm 0.25\text{V}$

Input Current: 350 ma maximum

Size:
 $2 \times 2 \times .5$ ", $50.8 \times 50.8 \times 12.7$ mm (L-W-H) (fre-
quencies above 70 kHz) $2.56 \times 2.94 \times .5$ ", $65.02 \times 74.68 \times 12.7$ mm
(L-W-H) (frequencies below 69.9 kHz)

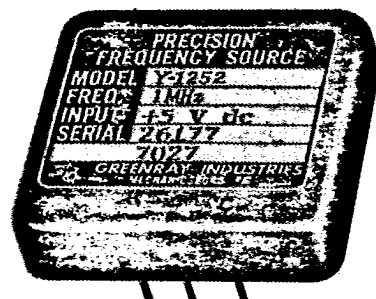
Hermetically Sealed

Mounting:

3 PC Pins and 2 (6-32) threaded studs

Designed for Low Cost Commercial Applications

60 Hz to 10 MHz CMOS OUTPUT



MODEL Y-1252

SPECIFICATIONS:

Frequency Range: 60 Hz to 10 MHz

Frequency Stability Over Temperature Range:
 $\pm 0.005\%$ Temperature Range: -40°C to $+85^{\circ}\text{C}$
Output:
Square wave to drive ≤ 10 CMOS gates50/50 $\pm 2\%$ (60 Hz to 1 MHz)50/50 $\pm 10\%$ (1.01 MHz to 10 MHz)Input Voltage: $+5\text{V DC}$ to $+12\text{V DC}$
(60 Hz to 3 MHz) $+10$ to $+12\text{V DC}$

(3.01 MHz to 10 MHz)

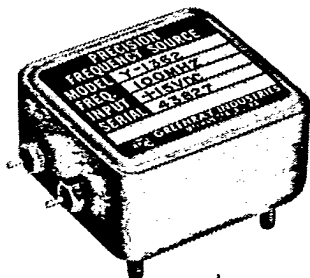
Input Current: 10 ma. maximum

Size: $2.0 \times 2.0 \times .53$ " (L-W-H)
 $50.8 \times 50.8 \times 13.46$ mm
Mounting:

PC Pins and 2 (6-32) threaded studs

Hermetically Sealed

50 MHz to 120 MHz SINE WAVE LOW PHASE NOISE



MODEL Y-1362

SPECIFICATIONS:

Frequency Range: 50 MHz to 120 MHz

Frequency stability: $\pm 0.005\%$ over temperature
range. (also see Model T-755-1, Page 10)Temperature range: 0°C to $+70^{\circ}\text{C}$ Output power: 2 MW minimum into a 50 ohm
loadHarmonics: -26 dBcSpurious: -80 dBcInput voltage: $+15\text{V D.C.} \pm 2\%$

Input current: 25 ma. maximum

Size: $1.75 \times 1.88 \times 1.0$ " high
 $44.4 \times 47.7 \times 25.4$ mm

Connectors: SMA output, Filters for D.C. input

Mounting: studs on bottom

Maximum Noise Levels: SSB Phase Noise in a
1 Hz bandwidth100 Hz - -110 dBc200 Hz - -116 dBc500 Hz - -126 dBc1 kHz - -133 dBc10 kHz - -146 dBc100 kHz - -155 dBc500 kHz - -155 dBc