



INDUSTRIES, INC.

TEMPERATURE COMPENSATED CRYSTAL OSCILLATORS

TCXO

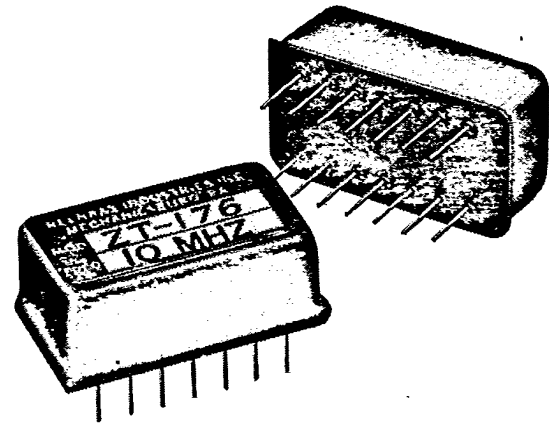
20K Hz to 25 MHz

 $\pm 5 \times 10^{-7}$

TTL OUTPUT OR CMOS

Frequency range: 20 kHz to 25 MHz

Tolerance	Temperature Range	Option
$\pm 5 \times 10^{-7}$	+10°C to +40°C	-1
$\pm 1 \times 10^{-6}$	+10°C to +40°C	-2
$\pm 1 \times 10^{-6}$	+10°C to +50°C	-3
$\pm 2 \times 10^{-6}$	0°C to +50°C	-4
$\pm 2 \times 10^{-6}$	+10°C to +60°C	-5
$\pm 3 \times 10^{-6}$	0°C to +60°C	-6
$\pm 3 \times 10^{-6}$	-10°C to +60°C	-7
$\pm 4 \times 10^{-6}$	0°C to +70°C	-8



Model ZT-176

Tolerance (stability) in chart above is over temperature range shown.

Output: Square wave

50/50 $\pm 20\%$ duty cycle to drive up to 10 TTL loadsInput voltage: +5V D.C. $\pm 25V$

Input current: 70 ma. maximum (CMOS Versions Lower)

Size: $0.87 \times 0.50 \times 0.36$ " (L-W-H)
 $22.1 \times 12.7 \times 9.1$ mm

Fits standard 14 pin dual-in-line socket

External variable capacitor supplied with unit to set exactly on frequency.

**All Options
Available In CMOS
ZT-176-__C**

TCXO

1 MHz to 50 MHz

 $\pm 1 \times 10^{-6}$

HCMOS OUTPUT

Frequency Range: 1 MHz to 50 MHz

Stability: $\pm 1 \times 10^{-6}$ over temperature range

External Variable Resistor supplied with Unit to set exactly on frequency.

Temperature Range: -30°C to +70°C

Output Loading: Up to 10 Loads

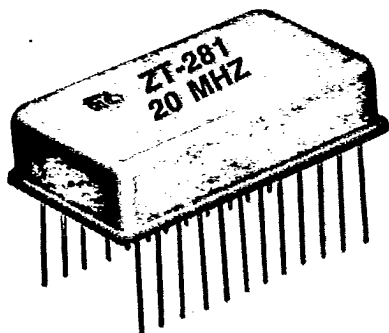
Input Voltage: +12 VDC $\pm 10\%$

Input Current: 5 mA at 5 MHz Typical

Size: $1.4 \times .8 \times .35$ " (L-W-H)
 $35.6 \times 20.3 \times 8.9$ mm

Fits standard 24 Pin Dual in line socket

Other temperature and stability options are available.



MODEL ZT-281