



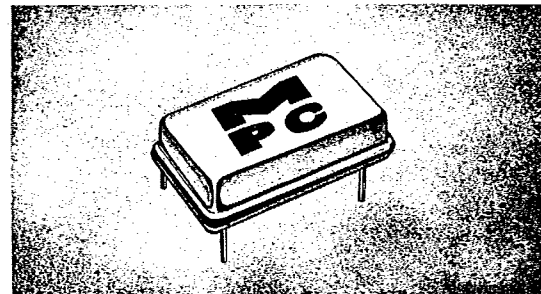
MONITOR PRODUCTS

970HET

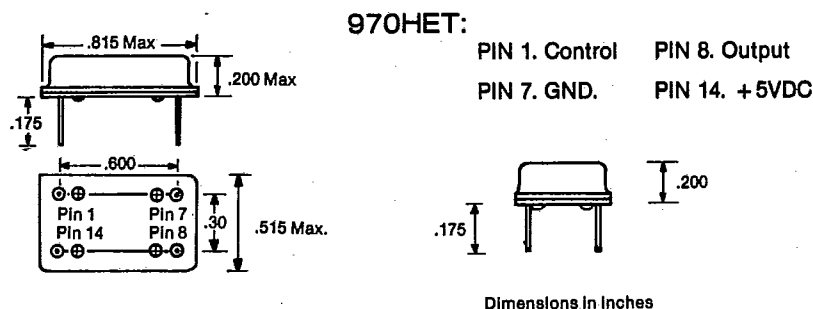
HIGH SPEED CMOS

TRI-STATE ENABLE-DISABLE

CLOCK OSCILLATOR



PACKAGE DIMENSIONS



FEATURES

- RUGGED RESISTANCE WELD PACKAGE
- LOW PROFILE DESIGN
- HCMOS COMPATIBLE
- STABILITY TO .005%
- SURFACE MOUNT OPTION
- LOW CURRENT DRAIN

ELECTRICAL SPECIFICATIONS

- Frequency Range: 1MHz to 25MHz
- Oper. Temp. Range: -10° to $+70^{\circ}\text{C}$
- Storage Temp. Range: -55° to $+125^{\circ}\text{C}$
- Supply Voltage: $+5\text{V} \pm 10\%(\text{VDD})$
- Freq. Stability: $\pm 100\text{ppm}$ (All conditions)
- Output Voltage
(VDD = 5V):
 "0" Level 0.5V Max. (10% VDD)
 "1" Level 4.5V Min. (90% VDD)
- Waveform
 Symmetry: 60/40 to 40/60 (VDD = 5V 50%VDD)
- Rise & Fall Times: 5NS Max. TTL Level
 10NS Max. C-MOS Level
- Enable Input: "0" Level 0.8V Max.
- Disable Input: "1" Level 2.0V Min.
- Input Current: 25mA Typ. (At 25MHz)
- Driving Ability: TTL Load LS-TTL 20 C-MOS
 Load 50pf
- Enable/Disable Delay Time
 Tphz, Tpz h 100ns MAX.
 Tplz, Tpz l 100ns MAX.

970H SERIES OSCILLATORS are HCMOS compatible and are manufactured using the latest hybrid technology and feature hermetically sealed and welded packages that offer excellent resistance to environmental extremes. In addition, the metal package provides shielding to minimize RF radiation, helping to reduce EMI/RFI.

MONITOR CLOCK OSCILLATORS are also available in LSTTL, CMOS, HCMOS, NMOS, and ECL in the following configurations:

- INDEPENDENT DUAL OUTPUTS
- DUAL OUTPUT DIVIDE BY 2
- DUAL OUTPUT DIVIDE BY 4
- ENABLE/DISABLE
- TRISTATE GATE
- COMPLIMENTARY OUTPUTS
- SURFACE MOUNTING

MONITOR PRODUCTS COMPANY, INC.

FIFTY-NINE YEARS IN FREQUENCY CONTROL

502 Via Del Monte • Oceanside, CA 92054
Western Phone (619) 433-4510 Eastern FAX (904) 246-9019
Western FAX (619) 433-7062

