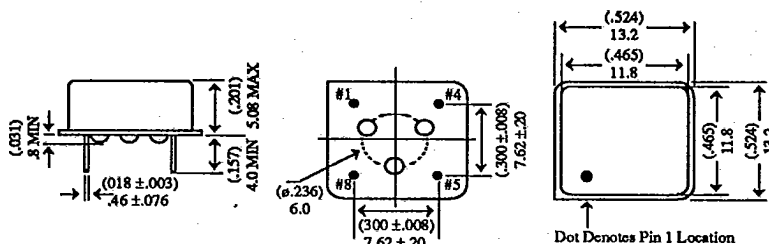


H5C/HALF SIZE HCMOS OSCILLATOR H5C-5/GATE ENABLE/DISABLE**T-50-23**

The FOX H5C is a Hybrid Clock Oscillator capable of driving HCMOS circuitry and up to 10 TTL loads. The H5C features low current drain and a smaller footprint than the full size F5C.

The FOX half size H5C-5 Clock Oscillator employs a Logic Gate for control of the output. Applying a logic '1' voltage level to pin 1 enables the oscillator output and a logic '0' applied to pin 1 disables the output.

The packages are all metal with pin 4 as case ground which provides shielding to help minimize EMI radiation.

**Pin Connections**

#1 E/D or N.C. #5 Output
#4 GND #8 +5 Vdc

Metric dimensions shall govern

All dimensions are in millimeters and parenthetically in inches

H5C & H5C-5 SPECIFICATIONS

Frequency Range	1 MHz - 50 MHz
Frequency Stability *	±0.01%
Operating Temperature Range	0°C to +70°C
Input Voltage	+5 VDC ±10%
Input Current	10 mA (MAX) 1 - 24 MHz 30 mA (MAX) 24 - 40 MHz 40 mA (MAX) 40 - 50 MHz
Symmetry @ 2.5 Vdc	40/60% (MAX)
Rise/Fall Time	5 nS (MAX) (0.5 - 2.4 Vdc) 10 nS (MAX) (0.5 - 4.5 Vdc)
Logic '0' - VOL	0.5 V (MAX)
Logic '1' - VOH	4.5 V (MIN)
Enable Input (H5C-5 only)	Enable = Logic '1' 2.0 V (MIN) Disable = Logic '0' 0.8 V (MAX)
Output Current	IO L = 16 mA (MIN) IO H = -0.4 mA (MAX)
Output Load	10 TTL Gates MOS Load: 15 pF
Shock	1000 G's, 0.35 mS, 1/2 Sine Wave, 3 Shocks each plane
Vibration	10-55 Hz, 0.060" D.A., 55-2000 Hz, 35 G's, Duration Time 12 Hrs
Humidity	85% Relative Humidity, 85°C, 250 Hrs
Hermetic Seal	Leak Rate less than 2 x 10 ⁻⁸ Atmos. CC/sec of Helium

See page 71 for Test Circuits.

* Inclusive of 25°C tolerance, operating temperature range, input voltage change, load change, aging, shock, and vibration.

All specifications subject to change without notice.