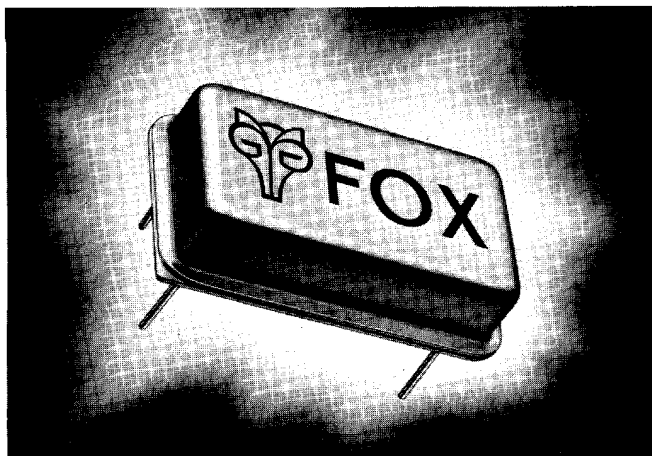


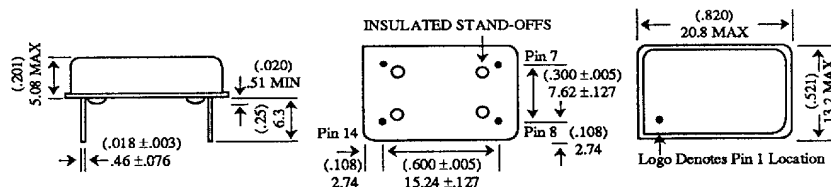
F3120 / TTL TRI-STATE ENABLE/DISABLE OSCILLATOR

T-50-23



The Fox F3120 Clock Oscillator employs a Tri-State function for control of the output. Applying a logic '1' voltage level to Pin 1 enables the oscillator and a logic '0' disables the output to a high impedance.

The package is all metal, with pin 7 as case ground to provide shielding against EMI. True TTL Logic levels further minimize the effects of EMI radiation.

**Pin Connections**

#1 E/D #8 Output
#7 GND #14 +5 V_{DC}

Metric dimensions shall govern

All dimensions are in millimeters and parenthetically in inches

FEATURES

- TTL Tri-State
- Low Noise
- Resistance Weld
- Stainless Steel Cover

F3120 SPECIFICATIONS

10/21/91

Frequency Range	4 MHz - 70 MHz
Frequency Stability *	±0.01%
Operating Temperature Range	0°C to +70°C
Input Voltage	+5 V _{DC} ±5%
Input Current	70 mA (MAX)
Symmetry @ 1.4 V _{DC}	40/60%
Rise/Fall Time	10 nS (MAX) 4 - 25 MHz 5 nS (MAX) 25 - 70 MHz
Logic '0' - V _{OL}	0.4 V (MAX)
Logic '1' - V _{OH}	2.4 V (MIN) 3.2 V (TYP)
Output Current	I _{OL} = 8 mA (MIN) I _{OH} = -0.4 mA (MIN)
Enable Input - V _{IH}	Logic '1' 2.0 V (MIN) or open
Disable Input - V _{IL}	Logic '0' 0.8 V (MAX)
Enable/Disable Time	100 nS (MAX)
Start-up Time	25 mS (MAX)
Output Load	5 TTL Gates (MAX)
Shock	1000 G's, 0.35 mS, 1/2 Sine Wave, 3 Axis
Vibration	10-55 Hz, 0.060" D.A., 55-2kHz, 25 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

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

All specifications subject to change without notice.

Preliminary

9000-4266

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