

## T300 SERIES (ECL) STANDARD SPECIFICATIONS

FREQUENCY RANGE 10 MHz to 240 MHz  
 FREQUENCY ACCURACY @ +25 °C ± 0.0015% ( ± 15 PF)  
 FREQUENCY STABILITY Vs. TEMPERATURE See Options Below  
 OPERATING TEMPERATURE RANGE See Options Below  
 INPUT VOLTAGE ( See Note Below ) - 5.2 VDC ± 10%

INPUT CURRENT @ - 5.2 VDC 50 mA Max.

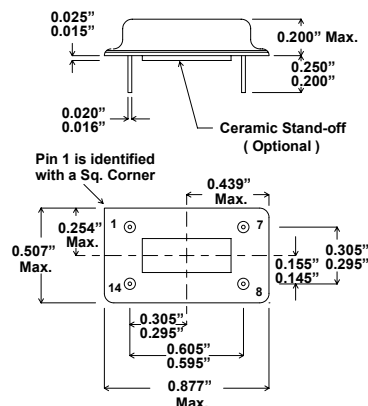
OUTPUT 10K, 10KH Compatibl  
 LOAD 100 Ω to - 2.0 VDC  
 SYMMETRY 60/40% @ 50% Leve  
 RISE & FALL TIMES ( 10% to 90% Level ) 2 nS Max.

START-UP TIME 15 mS Max.

FREQUENCY STABILITY Vs. VOLTAGE ± 0.0002% ( ± 2 PPM ) Max.  
 (for 10% change in Voltage)

AGING @ +25 °C ± 0.0005% ( ± 5 PPM ) / year Max.

PACKAGE, SEAL & LEAD FINISH Conforms with the Requirements  
 of MIL-PRF-55310

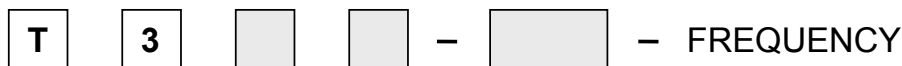


Pin Connections	
14	GND/CASE
7	-5.2 VDC
8	OUTPUT
1	N/C
All Others	MISSING

**NOTE:** For PECL applications, Xsis 300 Series ECL oscillators can be operated with +5 VDC ± 10% on Pin 14 and power supply return on Pin 7. The output logic levels will still be referenced to +5 VDC and the case will be at +5 VDC, however, 0.8 V peak to peak output signal can be AC or DC coupled as necessary.

**Contact Xsis Engineering** for special requirements such as, **Output Symmetry, Start-up Time, Frequency Accuracy, Complementary Outputs, Multiple Outputs, etc.**

### ORDERING INFORMATION ( Select from options below ) :



Frequency Stability

- 1 = ± 0.1%
- 2 = ± 0.05%
- 3 = ± 0.01%
- 4 = ± 0.005%
- 5 = ± 0.002% \*

\* Option 5 not available for - 55 °C to +125 °C

Operating Temperature Range

- 1 = 0 °C to + 70 °C
- 2 = - 30 °C to + 85 °C
- 3 = - 55 °C to +125 °C

Add Suffix " 883B " for Mil-Screened Option

**EXAMPLE:** T343 - 883B - 24.000 MHz = 4 Pin Package, 10KH ECL, ± 0.005% over -55 °C to +125 °C, Mil-Screened , and 24.000 MHz