

XE102-100 SERIES (TTL)

LCC PACKAGE WITH 'GULL WING' LEADS

STANDARD SPECIFICATIONS

FREQUENCY RANGE	400 KHz to 90 MHz
FREQUENCY ACCURACY @ + 25 °C	± 0.0015% (± 15 PPM)
FREQUENCY STABILITY Vs. TEMPERATURE	See Options Below
OPERATING TEMPERATURE RANGE	See Options Below
INPUT VOLTAGE	+ 5 VDC ± 10%

INPUT CURRENT @ +5.0 VDC	
400.0 KHz to 15.0 MHz	60 mA Max.
15.1 MHz to 25.0 MHz	30 mA Max.
25.1 MHz to 40.0 MHz	40 mA Max.
40.1 MHz to 90.0 MHz	60 mA Max.

OUTPUT	TTL (10 Loads)
SYMMETRY	60/40% @ 1.4 VDC Level
RISE & FALL TIMES (0.6 VDC to 2.2 VDC)	

≤ 15 MHz	15 nS Max.
> 15 MHz	5 nS Max.

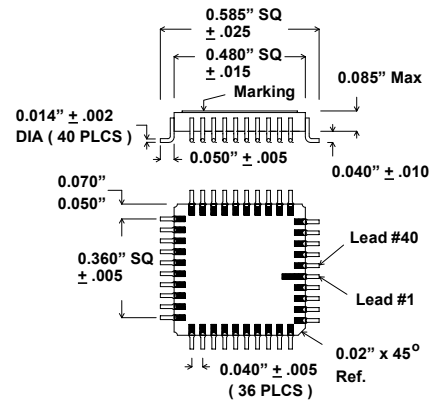
START-UP TIME	
< 10 MHz	20 mS Max.
≥ 10 MHz	15 mS Max.

FREQUENCY STABILITY Vs. VOLTAGE (for 10% change in Voltage)	± 0.0005% (± 5 PPM) Max.
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AGING @ +25 °C	± 0.0005% (± 5 PPM) / year Max.
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PACKAGE, SEAL & LEAD FINISH Conforms with the Requirements of MIL-PRF-55310

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



Lead #	Function
4	B+
10	B+
31	GND
32	Enable
37	GND
39	OUTPUT
All others	NC

(Option)

ORDERING INFORMATION (Select from options below) :

XE102 - **1** [] [] [] - [] - **FREQUENCY**

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

Add Suffix " G " for Enable/Disable Option **

** Enable/Disable Input is on Pad 32.
A "low" level at the input disables the output.

EXAMPLE: XE102-143-883B - 24.000 MHz = XE10 Package with 'Gull Wing' Leads, TTL, ± 0.005% over -55 °C to +125 °C, Mil-Screened, and 24.000 MHz