

XE102-3200 SERIES (HC/ACMOS/TTL) LCC PACKAGE WITH ' GULL WING ' LEADS STANDARD SPECIFICATIONS

FREQUENCY RANGE 100 KHz to 85 MHz
 FREQUENCY ACCURACY @ + 25 °C $\pm 0.0015\%$ (± 15 PPM)
 FREQUENCY STABILITY Vs. TEMPERATURE See Options Below
 OPERATING TEMPERATURE RANGE See Options Below
 INPUT VOLTAGE + 3.3 VDC $\pm 10\%$

INPUT CURRENT @ +3.3 VDC
 100 KHz to 5.0 MHz 5 mA Max.
 5.1 MHz to 20.0 MHz 10 mA Max.
 20.1 MHz to 40.0 MHz 15 mA Max.
 40.1 MHz to 60.0 MHz 20 mA Max.
 60.1 MHz to 90.0 MHz 25 mA Max.

OUTPUT HC/ACMOS
 LOAD 10 K Ω in parallel with 15 pf
 SYMMETRY 60/40% @ 50% Output Level

RISE & FALL TIMES (10% to 90% Level)
 ≤ 20 MHz 10 nS Max.
 > 20 MHz 5 nS Max.

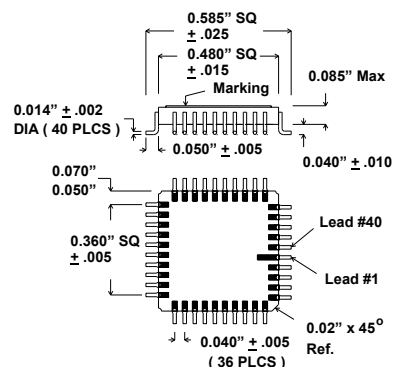
ENABLE/DISABLE INPUT (OPTIONAL)
 Low Level Output disabled into a HI-Z state
 High Level or Open Normal Output

START-UP TIME 15 mS Max.

FREQUENCY STABILITY Vs. VOLTAGE $\pm 0.0004\%$ (± 4 PPM) Max.
 (for 10% change in Voltage)

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

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



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

(Option)

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) :

XE102 - **32** [] [] [] - [] - **FREQUENCY**

Frequency Stability

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

* 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 " E " for Enable/Disable Option **

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

EXAMPLE: XE102-3243-883B - 24.000 MHz = XE10 Package with "Gull Wing" Leads, HC/ACMOS, $\pm 0.005\%$ over -55 °C to +125 °C, Mil-Screened , and 24.000 MHz