



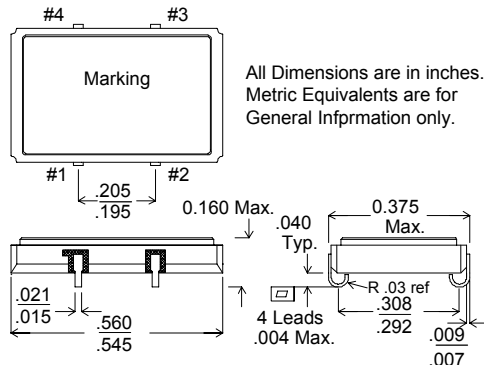
# XE30 - L00 SERIES ( HC/ACMOS/TTL ), 3.3 VDC SURFACE MOUNT "J" LEAD PACKAGE

( Similar to M55310/30 )

Frequency Range 400 KHz to 100 MHz  
 Frequency Accuracy @ + 25 °C ± 0.0015% ( ± 15 PPM )  
 Frequency Stability Vs. Temperature See Options Below  
 Operating Temperature Range See Options Below  
 Input Voltage + 3.3 VDC ± 10%

Input Current @ +5.0 VDC ( No Load )

500 KHz to 8.0 MHz	3 mA Max.
8.1 MHz to 16.0 MHz	6 mA Max.
16.1 MHz to 32.0 MHz	10 mA Max.
32.1 MHz to 60.0 MHz	20 mA Max.
60.1 MHz to 100.0 MHz	35 mA Max.



Output HC/ACMOS/TTL  
 Load 10 KΩ in parallel with 15 pf or 10 TTL  
 Symmetry: @ 50% Output Level

500 KHz to 30.0 MHz	55/45% Max
30.1 MHz to 100.0 MHz	60/40% Max.

Pad #	Function
1	E/D (Optional)
2	GND
3	OUTPUT
4	V <sub>DD</sub>

Rise & Fall Times ( 10% to 90% Level )

≤ 20 MHz	6 nS Max.
> 20 MHz	3 nS Max.

Inches		mm	
.545	.560	13.85	14.22
-	.375	-	9.53
.292	.308	7.42	7.82
.195	.205	4.95	5.21
-	.160	-	4.06
-	.040	-	1.02
.015	.021	.38	.53
.007	.009	.178	.229
-	.004	-	1.02

Enable/Disable See Options Below

Start-Up Time 5 mS Max.

Frequency Stability Vs. Voltage ± 0.0004% ( ± 4 PPM ) Max.  
 (for 10% change in Voltage)

Aging @ +25 °C ± 5 PPM Max. first year, ± 2 PPM Max./ Yr. thereafter

Package, Seal & Lead Finish Conforms to 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.**

## 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 & - 55 °C to +105 °C

Operating Temperature Range

- 1 = 0 °C to + 70 °C
- 2 = - 30 °C to + 85 °C
- 3 = - 55 °C to +125 °C
- 4 = - 55 °C to +105 °C
- 5 = - 40 °C to + 95 °C

Add Suffix " 883B " for Mil-Screened Option

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

\*\* Enable/Disable Input: A "low" level at the input disables the output to a HI-Z state. Enable/disable input has internal pull-up.

**EXAMPLE: XE30 - L43 - 883B - 24.000 MHz = HCMOS Output, ± 0.005% over -55 °C to +125 °C, Mil - Screened , and Output Frequency of 24.000 MHz**