XE30-100 SERIES (TTL), 5.0 VDC
SURFACE MOUNT "J" LEAD PACKAGE

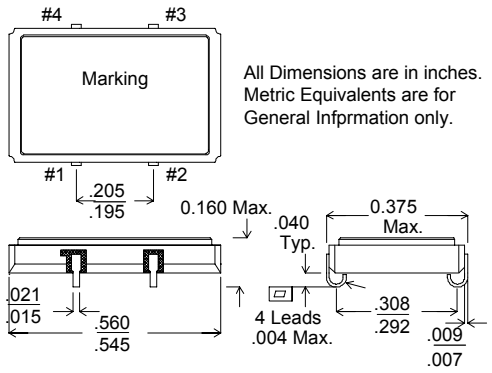
(Similar to M55310/28)

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	+ 5 VDC ± 10%

Input Current @ +5.0 VDC	
400 KHz to 5.0 MHz	10 mA Max.
5.1 MHz to 20.0 MHz	20 mA Max.
20.1 MHz to 40.0 MHz	30 mA Max.
40.1 MHz to 60.0 MHz	40 mA Max.
60.1 MHz to 100.0 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)	
≤ 20 MHz	6 nS Max.
> 20 MHz	3 nS Max.

Enable/Disable	See Options Below
Start-Up Time	5 mS Max.
Frquency Stability Vs. Voltage (for 10% change in Voltage)	± 0.0004% (± 4 PPM) Max.
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



All Dimensions are in inches.
Metric Equivalents are for
General Infprmation only.

Pad #	Function
1	E/D (Optional)
2	GND
3	OUTPUT
4	V_{DD}

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

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) :

XE30 – 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 & - 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 " G " for Enable/Disable Option **

Add Suffix " 883B " for Mil-Screened 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 –143 - 883B - 24.000 MHz = TTL Output, ± 0.005% over -55 °C to +125 °C, Mil - Screened , and Output Frequency of 24.000 MHz

12/08

Xsis Electronics, Inc. 12620 W. 63rd St., Shawnee, KS 66216 Tel. 913-631-0448 Fax. 913-631-1170 email xsis@xsis.com