X3200 SERIES, 3.3V, HC/ACMOS

STANDARD SPECIFICATIONS

03/11

FREQUENCY RANGE	125 Hz to 85 MHz
FREQUENCY ACCURACY @ + 25 °C	± 15 PPM
FREQUECY STABILITY Vs. TEMPERATURE	See Options Below
OPERATING TEMPERATURE RANGE	See Options Below
INPUT VOLTAGE	3.3 VDC ± 10%

INPUT CURRENT @ 3.3 VDC

125 Hz	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	85.0 MHz	25 mA Max.

Output	HC/ACMOS/TTL
Load	10 KΩ in parallel with 15 pf or 10 TTL

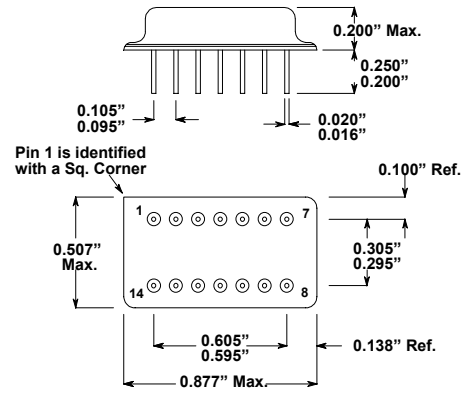
Symmetry: @ 50% Output Level

< 30 MHz	55/45% Max
≥ 30 MHz	60/40% Max.

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

≤ 20 MHz	10 nS Max.
> 20 MHz	4 nS Max.

Enable/Disable	See Options Below
Start-Up Time	10 mS Max.
Phase Jitter (10 KHz to 20 MHz Integrated)	0.1 pS rmsTypical
Frquency Stability Vs. 10% change in Voltage	± 4 PPM Max.
Aging @ +25 °C	± 3 PPM/year Max.
Package, Seal & Lead Finish	Conforms to the Requirements of MIL-PRF-55310



Pin #	Function
1	E/D (Optional)
7	GND/CASE
8	OUTPUT
14	B+
All Others	N/C

Inches		mm	
-	.877	-	22.28
.595	.605	15.11	15.37
-	.507	-	12.88
.295	.305	7.49	7.75
.200	.250	5.08	6.35
-	.200	-	5.08
.095	.105	2.41	2.67
.016	.020	.407	.508
-	.138	-	3.51
-	.100	-	2.54

Contact Xsis Engineering for any other special requirements.

ORDERING INFORMATION (Select from options below) :

X32 [ ] [ ] **E** – **883B** – FREQUENCY

Frequency Stability

1 = ± 0.1%
2 = ± 0.05%
3 = ± 100 PPM
4 = ± 50 PPM
5 = ± 20 PPM*
6 = ± 10 PPM*

*Options 5 and 6 are not available for all operating temperature range options

Operating Temperature Range

1 = 0 °C to + 70 °C
2 = - 40 °C to + 85 °C
3 = - 55 °C to +125 °C
4 = - 55 °C to +105 °C
5 = - 40 °C to + 95 °C
6 = - 20 °C to + 70 °C

E = Enable / Disable, Leave Blank Otherwise

883B = Mil-Screened, Leave Blank Otherwise

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: X3243E - 883B - 24.000 MHz = 14 Pin Package, HC/ACMOS, with Enable/Disable Option, ± 50 PPM over -55 °C to +125 °C, Mil-Screened , 24.000 MHz

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