

X3200 SERIES, 3.3V, HC/ACMOS STANDARD SPECIFICATIONS

FREQUENCY RANGE 125 Hz to 85 MHz
 FREQUENCY ACCURACY @ + 25 °C ± 15 PPM
 FREQUENCY 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

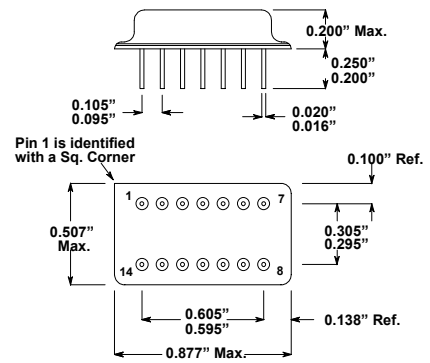
Start-Up Time 10 mS Max.

Phase Jitter (10 KHz to 20 MHz Integrated) 0.1 pS rmsTypical

Frequency 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

● 883B = Mil-Screened, Leave Blank Otherwise
 ● E = Enable / Disable, 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