XE20 - L00 SERIES (HC/ACMOS/TTL), 3.3 VDC

STANDARD SPECIFICATIONS

Frequency Range	400 KHz to 100 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%

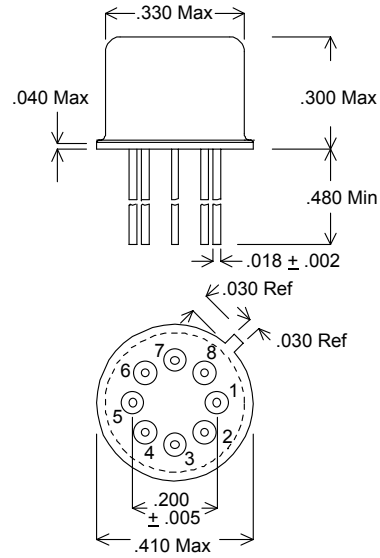
Input Current @ +3.30 VDC (No Load)

400 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	
< 30 MHz	55/45% Max
≥ 30 MHz	60/40% Max.

Rise & Fall Times (10% to 90% Level)	
< 30 MHz	6 nS Max.
≥ 30 MHz	3 nS Max.
Enable/Disable	See Options Below
Start-Up Time	5 mS Max.
Phase Jitter (10 KHz to 20 MHz Integrated)	0.15 pS rmsTypical
Frqquency Stability Vs. 10% change in Voltage	± 4 PPM Max.
Aging @ +25 °C	± 3 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 any other special requirements.



Pin #	Function
3	E/D (Optional)
4	GND/CASE
5	OUTPUT
8	B+
All Others	N/C

Inches		mm	
.480	-	12.19	-
-	.410	-	10.40
-	.330	-	8.38
-	.300	-	7.62
.195	.205	4.95	5.21
-	.040	-	1.02
-	.030	-	.76
.016	.020	.407	.508

ORDERING INFORMATION (Select from options below) :

XE20 – L [ ] [ ] [ ] – [ ] – 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

G = Enable/Disable, Leave Blank Otherwise

883B = Mil-Screening, 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: XE20 – L43G – 883B - 24.000 MHz = HC/ACMOS/TTL Output, with Enable/ Disable Option, ± 50 PPM over -55 °C to +125 °C, Mil - Screened , 24.000 MHz

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