

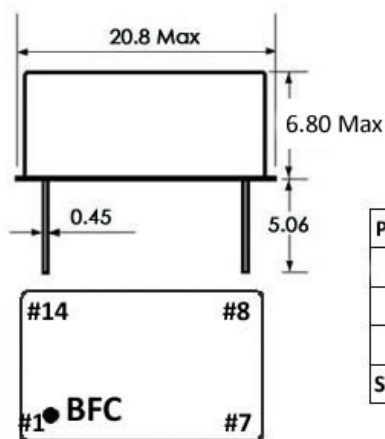
Features:

- 1.0 MHz to 160 MHz Frequency Range
- Extended Temp. Ranges -55°C to 105°C (-55°C to +125°C)
- Tight Freq. Stability Over Extended Temp. Range/COTS
- Ver Low Phase Jitter with Fundamental or 3rd OT Design
- **RoHS Compliant**
- DIL-14 Hermetically Sealed Package
- Rugged UM-1 Crystal Design
- SMD Gull Wing Lead Forming Available
- Tri-State Output on Pin 1 Available.
- Serialized Temperature Test Data Available

ELECTRICAL SPECIFICATIONS		
Frequency Range	1.0 To 160.0MHz (-45°C to +85°C)	1.0MHz to 40 MHz (-55°C to +125°C)
Frequency Stability	±100ppm ; ±50ppm; ±20ppm	±100ppm
Symmetry	60/40%, 55/45%	60/40%
Input Voltage (Vcc)	+5VDC ±5% or +3.3VDC ±5%	
Input Current	65 mA Max. (Depending on Frequency and output load)	
Storage Temperature	-55°C to +125°C	
Output Load	HCMOS: Drive up to 50 pF load; TTL: Drive up to 10 TTL gates	
Logic "1" / Logic "0" Level	0.9Vcc Min. / 0.1 Vcc Max.	
Raise / Fall Time (Tr / Tf)	6 ns Max	
Start-up Time	10 ms Max.	
Phase Jitter (RMS, 1 Sigma)	1 ps Max for fj > 1kHz; 0.3 ps Typical for fj = 12KHz to 20MHz	
Aging	3 ppm first year, 1 ppm / year after first year	
Tristate Function	Input (Pin 1) High (> 2.2V) or open: Output (Pin 8) active Input (Pin 1) Low (< 0.8V): Output disabled in high impedance	
Enable Time	100 ns Max	

Part Number Table						
Model	Frequency Stability	Operating Temp. (°C)	Symmetry	Tristate	Voltage	Frequency
B11	00 = ±100ppm	W = -45°C to 85°C	Blank = 60/40%	Blank = No Tristate	Blank = 5 Volt	25.000 MHz
	50 = ±50ppm	WM = -55°C to +125°C	S = 55/45	E = Tristate	3 = 3.3 Volt	
	20 = ±20ppm					

Part Number Example						
B11	50	W	S	E	3	-25.000
Add Suffix "G" For Gull Wing Surface Mount Lead Forming Option						
Serialized Temperature Test Data Available for Additional Cost						



PIN CONNECTION	PIN #
N/C or E/D	#1
GROUND	#7
OUTPUT	#8
SUPPLY VOLTAGE	#14

