ELECTRICAL SPECIFICATIONS

PARAMETER	Min.	Typ.	Max.	Units
Frequency Temperature Stability Refer to +25℃			±100	ppm
Storage Temperature	-55		+125	℃
1.8-- 3.3 Volt Supply Models				
Frequency Range	0.2		125	MHz
Input Voltage, V_{DD}	3.15	3.3	3.45	volts
Input Current			40	mA
Output Levels "0"Level "1"Level	 90% **V_{DD}**		10% **V_{DD}**	volts
Rise and Fall Time Below 40 MHz 40 MHz and above			 10 6	 ns ns
Start-up time			15	ms
Jitter			6	ps RMS
Waveform Symmetry Measured at 50% Vpp	 40/60		 60/40	 percent
5.0 Volt Supply Models				
Frequency Range	0.2		125	MHz
Input Voltage, V_{DD}	4.5	5.0	5.5	volts
Input Current Frequency at 0.2 to 125MHz			 90	 mA
Waveform Symmetry Measured at 50% Vpp	 40/60		 60/40	 percent
Rise and Fall Time Below 40 MHz 40 MHz and above			 10 6	 ns ns
"Zero"Level, Load 15pF // 10kΩ			 10% **V_{DD}**	 volts
"One"Level,	90% **V_{DD}**			volts
All Models				
Aging First year After first year		 5 5	 10 10	 ppm ppm/yr

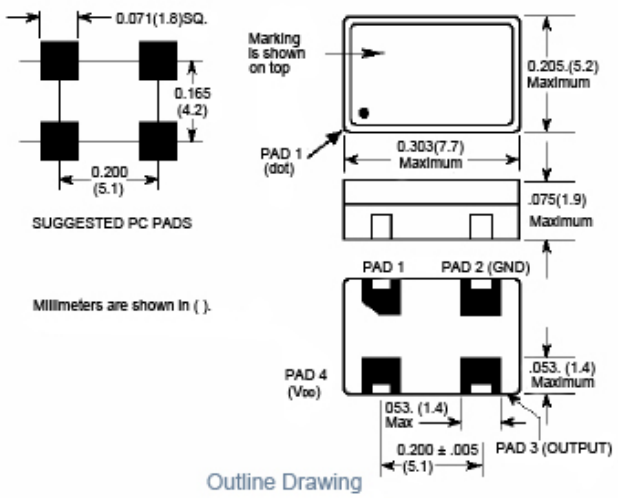
Environmental And Mechanical	**Operating Temperature Range**	-55℃ to +125℃
	Shock	MIL-STD-883, Method 2002, Test Condition B
	Vibration	MIL-STD-883, Method 2007, Test Condition B
	Humidity	MIL-STD-883, Method 1014, Test Condition A1
Pin Connections	**Pin 1: N/C** **Pin 2: Ground/Case** **Pin 3: Output** **Pin 4: Supply Voltage**	**Pin 1= tristate for special frequency output**

Internal Quartz Crystal Character for Oscillators

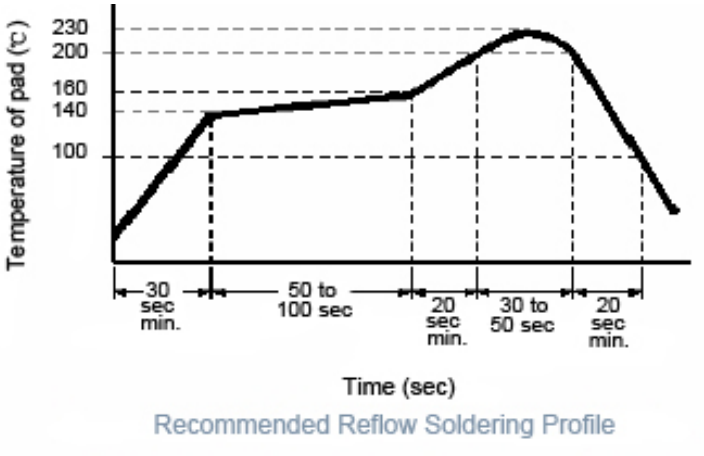
Parameter	Unit	Condition	Min	Type	Max	Notes
Frequency Range	**MHz**	AT Fundamental	**0.2**		50	
	MHz	3rd or 5th overtone	**50**		160	

Description

These high reliability oscillators provide HCMOS clock waveforms for applications subjected to the most stringent environmental and Radiation Hardened conditions. They are mechanically robust and weigh less than 0.2 grams. This 5×7mm SMD package has a hermetic seal, thus ensuring the integrity of each oscillator. Each oscillator is fully screened in accordance with MIL-PRF-565310D , Level S.



Outline Drawing



Recommended Reflow Soldering Profile

Part Numbering Guide

WU — Frequency (Customer Specified)

Supply Voltage
50=5.0 Volt dc
33=3.3 Volt dc
* 25=2.5 Volt dc
* 18=1.8 Volt dc

Symmetry * *
Blank=40/60%
A=45/55%
@23℃

Grade
N=Extended Industrial Standard
Q=Per MIL-STD-883B
H= MIL-PRF-55310D ,Level B+
M= MIL-PRF-55310D ,Level S
V= MIL-PRF-55310D ,Level S+
40KRAD (SI)
R= MIL-PRF-55310D ,Level S++
100KRAD (SI)

Notes:
* Contact with our authorized distributor for details
* * Symmetry tested at 23℃±1℃