



Electrical Characteristics VCC1FIBR, VCC1FIB3 Oscillator								
Parameter	Symbol	Minimum		Typical		Maximum		Unit
		5.0 V	3.3 V	5.0 V	3.3 V	5.0 V	3.3 V	
Frequency Range	f <sub>0</sub>	-		106.25		-		MHz
Operating Temperature Range	T <sub>0</sub>	0 to 70						°C
Storage Temperature	T <sub>S</sub>	-55 to 125						°C
Stability Options <sup>1</sup>		± 50						PPM
Supply Voltage	V <sub>DD</sub>	4.5	3.0	5.0	3.3	5.5	3.6	V
Supply Current	I <sub>DD</sub>					80	50	mA
Output Levels								
High	V <sub>OH</sub>	4.5	3.0	-				V
Low	V <sub>OL</sub>			-		0.5	0.3	V
Output Rise/Fall Time <sup>2</sup>	t <sub>R/F</sub>					1.5	1.5	ns
Tri-state (Input to Pin 1)								
Output Enable		4.0	2.0	-				V
Output Disable (High Imp)				-		0.8	0.5	V
Output Symmetry/Duty Cycle	-	55/45						%
Start-up Time	t <sub>SU</sub>	-				10		ms
Output Load Options	-	TTL or HCMOS, 15 or 50 pF						-

1. Inclusive of calibration tolerance at 25°C, operating temperature, supply voltage, load, aging, shock and vibration.

2. Transition times are measured between 20% and 80% of V<sub>DD</sub> with a maximum output load of 15 pF.

Parameter	Description
Mechanical Shock	MIL-STD 883 Method 2022.3, Test A
Mechanical Vibration	MIL-STD 883 Method 2007.1, Test A
Temperature Cycle	MIL-STD 883 Method 1010, Test A
Gross Leak Test	All units 100% leak tested in deionized water
Fine Leak Test	All units tested to MIL-STD 883, Method 1014
Resistance to Solvents	MIL-STD-883, Method 2015