



Electrical Performance

Parameter	Min.	Typ.	Max.	Units	Notes
Output Frequency	50		212.5	MHz	
Supply Voltage	3.135	3.3	3.465	V	See ordering options
	2.375	2.5	2.625		
Supply Current, Output Enabled			90	mA	
Supply Current, Output Disabled			60	mA	
Frequency Stability			±50	ppm	See ordering options
Operating Temperature Range	-40		+85	°C	See ordering options
Output Logic 0, V _{OL}			V _{CC} -1.55	V	
Output Logic 1, V _{OH}	V _{DD} -1.2			V	
Output Load	50Ω to V _{CC} -2V output termination				
Duty Cycle	45		55	%	Measured 50% V _{CC}
Rise and Fall Time			600	ps	Measured 20/80% of waveform
Jitter, Phase RMS (1-σ)			1	ps	12kHz to 20 MHz frequency band
Jitter, pk-pk			30	ps	100,000 random periods

Notes:

1. Stability includes all combinations of operating temperature, load changes, rated input (supply) voltage changes, initial calibration tolerance (25°C), aging (1 year at 25°C average effective ambient temperature), shock and vibration.
2. For specifications other than those listed, please contact sales.

Output Enable / Disable Function

Parameter	Min.	Typ.	Max.	Units	Notes
Input Voltage (pin 1), Output Enable	0.7 V _{CC}			V	or open
Input Voltage (pin 1), Output Disable (low power standby)			0.3 V _{CC}	V	Output is Hi-Z
Internal Pullup Resistance		100		kΩ	
Output Disable Delay			80	ns	
Output Enable Delay			80	ns	
Setup Time			10	ms	

Absolute Maximum Ratings

Parameter	Min.	Typ.	Max.	Units	Notes
Storage Temperature	-55		+125	°C	

For the latest product information visit: <http://www.pericom.com/products/timing/oscillators/>

For test circuit go to: http://www.pericom.com/pdf/sre/tc_pecl.pdf

For soldering reflow profile and reliability test ratings go to: <http://www.pericom.com/pdf/sre/reflow.pdf>

For tape and reel information go to: http://www.pericom.com/pdf/sre/tr_7050_xo.pdf