



Specifications

Oscillator Specification	Sym	Condition	Value			Unit	Note
			Min.	Typ.	Max.		
Operational Frequency	F _{nom}			100		MHz	
HCMOS	High Level		0.9V _{cc}			V	
	Low Level				0.1V _{cc}	V	
	Duty Cycle		45		55	%	
	Tr/Tf				8.0	ns	
	Output Load				15	pF	
Power Supply							
Voltage	V _{cc}	±5%		3.3		V	
Current Consumption					25	mA	
Frequency Stability							
Versus temperature		-40°C to +85°C,			±1.0	ppm	
Initial Tolerance at 25°C					±0.5	ppm	
Versus change in supply voltage		±5%			±0.05	ppm	
Versus change in load		±10%			±0.05	ppm	
20 Years Aging					±3.0	ppm	
Phase Jitter (12KHz to 20MHz)		RMS			1.0	ps	
Phase Noise		10Hz		-100		dBc/Hz	
		100Hz		-130			
		1000Hz		-145			
		10KHz		-154			
		100KHz		-155			
Environmental Conditions							
Operating temperature range		-40°C to +85°C					
Storage temperature range		-55°C to +125°C					