



3. OC20 SERIES: Frequency range: 5MHz - 100 MHz, 20x20x11mm DIP package

SPECIFICATIONS:

Item	AT Cut	SC Cut	Condition
Stability vs Temp.	$\leq \pm 1E10^{-7}$	$\leq \pm 3E10^{-8}$	-40°C~70°C@25°C
Aging per day	$\leq \pm 3E10^{-9}$	$\leq \pm 5E10^{-10}$	After 30 days operation
Aging per year	$\leq \pm 2E10^{-7}$	$\leq \pm 5E10^{-8}$	
Stability vs load	$\leq \pm 5E10^{-9}$	$\leq \pm 1E10^{-9}$	Load $\pm 5\%$
Stability vs Vcc	$\leq \pm 5E10^{-9}$	$\leq \pm 1E10^{-9}$	Vcc $\pm 5\%$
Phase noise@10MHz	$\leq -105/-135$ dBc/Hz	$\leq -110/-135$ dBc/Hz	@10Hz/100Hz
	$\leq -140/-145$ dBc/Hz	$\leq -145/-150$ dBc/Hz	@1kHz/10kHz
Electric tuning range	$\geq \pm 3E10^{-6}$	$\geq \pm 5E10^{-7}$	Vcc=5.0VDC
Control voltage range	0.0-5.0V		Positive slope
Output Waveform	HCMOS/TTL	Sine	
Output level	N/A	8 ± 2 dBm	50 Ω
Spurious	N/A	≤ -75 dBc	
Sub-harmonics level	N/A	≤ -35 dBc	
Rise time	5ns (10->90% Vout)	N/A	15pF
Fall time	5ns (90->10% Vout)		
Duty cycle	45%-55%		
Power supply	3.3 / 5.0 / 12.0 VDC		
Power consumption at steady state	1.2W		@ +25°C
Power consumption at warm-up state	3W		
Storage temperature	-55°C ~ +105°C		

