

SX7P OSCILLATOR



Specifications		
Parameters	Standard	Options
Frequency range		
+1.8 Vcc	1,000 MHz - 133,000 MHz	
+2.5 Vcc	1,000 MHz - 166,000 MHz	
+3.3 Vcc	1,000 MHz - 200,000 MHz	
+5.0 Vcc	1,000 MHz - 133,000 MHz	
Logic output	HCMOS	
Frequency stability		
Overall	+/- 50,0 ppm	+/-20 ppm best possible
Initial at 25°C	included in overall tolerance	
Temperature		
vs supply voltage change		
vs load change		
Aging first year		
Operating temperature	0° C ~ +70°C	-20°C ~ +70°C
		-40°C ~ +85°C
Storage temperature	-55°C ~ +125°C	
Supply voltage	3.3 V ± 10%	2.5 V ± 10%
		1.8 V ± 10%
		5.0 V ± 10%
Current		
+ 5,0 Vcc	45 mA max.	
+ 3,3 Vcc	20 mA max.	
+ 2,5 Vcc	15 mA max.	
+ 1,8 Vcc	10 mA max.	
Load	15 pF	
Rise/fall time	5 ns max.	
Duty cycle	40/60	45/55
Jitter	8 ps typ. RMS	
	85 ps typ. Pk-Pk	

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Start-up time	5 ms max.	
Tristate	High or open = enable Low = disable	
Marking	Freq + Code + Week + Year	

Drawing

Package	SX7	
Pin configuration	#1: E/D	
	#2 : GND	
	#3 : Output	
	#4 : Vcc	