

SX7P OSCILLATOR



Specifications

Parameters	Standard	Options
Frequency range		
+3,3 Vcc	1,000 MHz - 100,000 MHz	
+5,0 Vcc	1,000 MHz - 133,000 MHz	
Logic output	HCMOS	TTL
Frequency stability		
Overall	+ - 50,0 ppm	+ -25 ppm best possible
Initial at 25°C	Please specify	
Temperature		
vs supply voltage change		
vs load change		
Aging first year		
Aging over Years		
Operating temperature	0° C ~ +70°C	-20°C ~ +70°C -40°C ~ +85°C
Storage temperature	-55°C ~ +125°C	
Supply voltage	5,0 V ± 5%	3,3 V ± 5% (max. 100,000 MHz)
Current		
+ 5 Vcc	45 mA max.	
+ 3,3 Vcc	25 mA max.	
Load	15 pF	
Rise/fall time	3 ns max.	
Duty cycle		
< 66 MHz	45/55 %	
> 66 MHz	40/60 %	
Jitter	± 8 ps typ. RMS ± 85 ps typ. Pk-Pk	

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Parameters	Standard	Options
Start-up time	10 ms max.	
Tristate	enable/disable	
Marking	Freq + Code + Week + Year	

Drawing

Package	SX7					
Pin configuration	<table border="1"> <tr> <td>#1: E/D</td> </tr> <tr> <td>#2: GND</td> </tr> <tr> <td>#3: Output</td> </tr> <tr> <td>#4: Vcc</td> </tr> </table>	#1: E/D	#2: GND	#3: Output	#4: Vcc	
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