

SX7SS Spread Spectrum Low EMI OSCILLATOR



Specifications

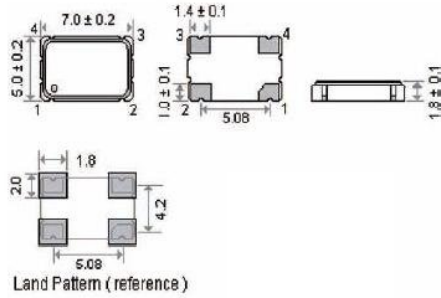
Parameters			
Frequency range	3.5 Mhz - 220 MHz		
Logic output	HCMOS		
Frequency stability			
Overall	+- 100 ppm		+20 ppm best possible
Initial at 25°C	included in overall tolerance		
Temperature			
vs supply voltage change			
vs load change			
Aging first year			
Spread type	Total%	Down Spread	Center Spread
A	0.5%	-0.5%	+0.25%
B	0.75%	-0.75%	+0.0375%
C	1.0%	-1.0%	+0.50%
D	1.25%	-1.25%	+0.625%
E	2.0%	-2.0%	+1.00%
F	3.0%	-3.0%	+1.5%
G	3.75%	-3.75%	+1.875%
Operating temperature	0° C ~ +70°C		-20°C ~ +70°C
			-40°C ~ +85°C
			Other on custom request
Storage temperature	-55°C ~ +155°C		
Supply voltage	3,3 V +-5%		
Current	35 mA max		
Load	15 pF		
Rise/fall time	4 ns max		
Duty Cycle	45/55		
Start-up time	5 ms max		
Cycle-to-Cycle Jitter	+-100 ps max		
Tristate	High or open = enable Low = disable		no tristate

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Package SX7 4 pad

Drawing

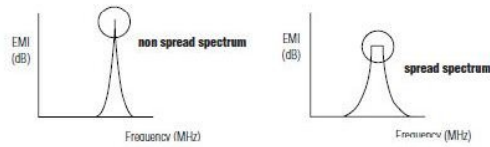


Pin configuration

4 pad version

- #1: E/D or NC
- #2 : GND
- #3 : Output
- #4 : Vcc

Spread Spectrum for EMI reduction



1% Center Spread for 100 MHz oscillator

