

SX7LV OSCILLATOR



Specifications

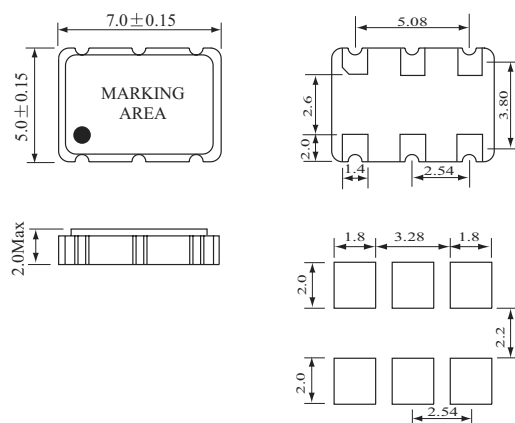
Parameters	Standard	Options
Frequency range	19,440 MHz - 700 MHz	
Logic output	LVDS	
Frequency stability		
Overall	+ 50,0 ppm	+15 ppm best possible
Initial at 25°C	Please specify	
Temperature		
vs supply voltage change		
vs load change		
Aging first year		
Aging over Years		
Operating temperature	0° C ~ +70°C	-20°C ~ +70°C
		-40°C ~ +85°C
		Other on custom request
Storage temperature	-40°C ~ +85°C	-55°C ~ +125°C
Supply voltage	3,3 V +5%	
Current	65 mA max (19,440 MHz - 80 MHz)	
	80 mA max (80 MHz - 700 MHz)	
Load	100 ohms	
Rise/fall time	1 ns max	Other on custom request
Duty cycle	40/60 %	45/55 %
		Other on custom request
Jitter (12kHz ~20,0 MHz)	< 156,251 MHz : 1ps RMS	Other on custom request
	> 156,251 MHz : 4,5 ps RMS	
Phase noise	Please specify (if required)	
Harmonics		
Sub-harmonics		
Linearity	± 10% max.	Other on custom request
Frequency tuning range	± 50 ppm - ± 100 ppm	Other on custom request
Pulling slope	Positive	Other on custom request
External control voltage	+ 1,65 VDC ±1,65 VDC (3,3V)	

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Parameters	Standard	Options
Start-up time	3 ms max.	Other on custom request
Tristate	Low or open = disable High = enable	no tristate
Marking	Freq + Code + Week +Year	
Package	SX7 6 pad	

Drawing



Pin configuration	#1: V control	Other on custom request
	#2 : E/D or NC	
	#3 : GND	
	#4 : Output	
	#5 : Complementary output	
	#6 : Vcc	