

# SX7LT OSCILLATOR



## Specifications

Parameters	Standard	Options
Frequency range	12.0 Mhz - 800 Mhz	
Logic output	LVDS	
Frequency stability		
Initial at 25°C	± 2.0 ppm	± 1.0 ppm
Temperature	± 3.0 ppm	
vs supply voltage change	± 0.3 ppm	
vs load change	± 0.3 ppm	
Aging first year	± 1.0 ppm	
Operating temperature	0° C ~ +70°C	-20°C ~ +70°C
		-40°C ~ +85°C
		Other on custom request
Storage temperature	-55°C ~ +125°C	
Supply voltage	3,3 V +-5%	
Current	85 mA max , depends on frequency	
Load	50 ohm from each load	
Rise/fall time	1.5 ns max.	
Duty cycle	45/55	Other on custom request
Phase noise	Please specify ( if required )	
Harmonics		
Sub-harmonics		
Jitter ( 12kHz ~20,0 MHz )	4 ps RMS max. <b>0.5 ps max for frequencies 38.8 Mhz - 432 MHz</b>	
Start-up time	5 ms typ.	
Marking	Freq + Code + Week +Year	

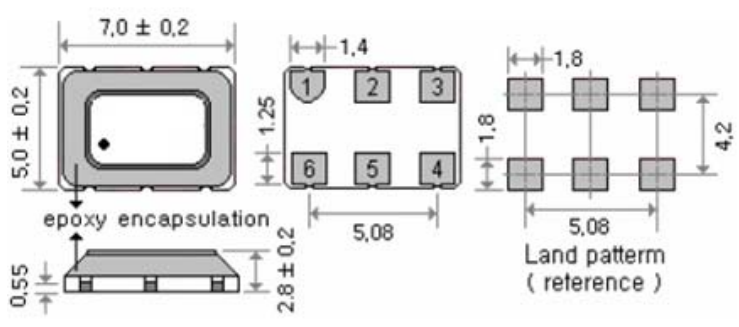
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Voltage Control Options	
External control voltage	+ 1,50 VDC $\pm$ 1,0 VDC
Linearity	$\pm$ 10% max.
Frequency tuning range	$\pm$ 6 ppm min
Pulling slope	Positive

## Drawing

Package	SX7 6pad
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Pin configuration	#1 : NC / Vco
	#2 : E/D
	#3 : GND
	#4 : Output
	#5 : Complementary output
	#6 : Vcc