

SX7ET OSCILLATOR



Specifications

Parameters	Standard	Options
Frequency range	10.0 Mhz - 800 Mhz	
Logic output	LVPECL	
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	115 mA max , depends on frequency	
Load	50 ohm to Vcc-2.0 V	
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. 0.5 ps max for frequencies 38.8 Mhz - 432 MHz	
Start-up time	5 ms typ.	
Marking	Freq + Code + Week +Year	

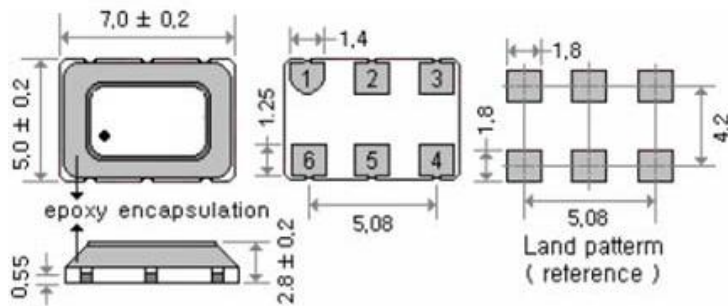
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Voltage Control Options	
External control voltage	+ 1,50 VDC \pm 1,0 VDC
Linearity	\pm 10% max.
Frequency tuning range	\pm 6 ppm min
Pulling slope	Positive

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