

SX7CV OSCILLATOR



Specifications

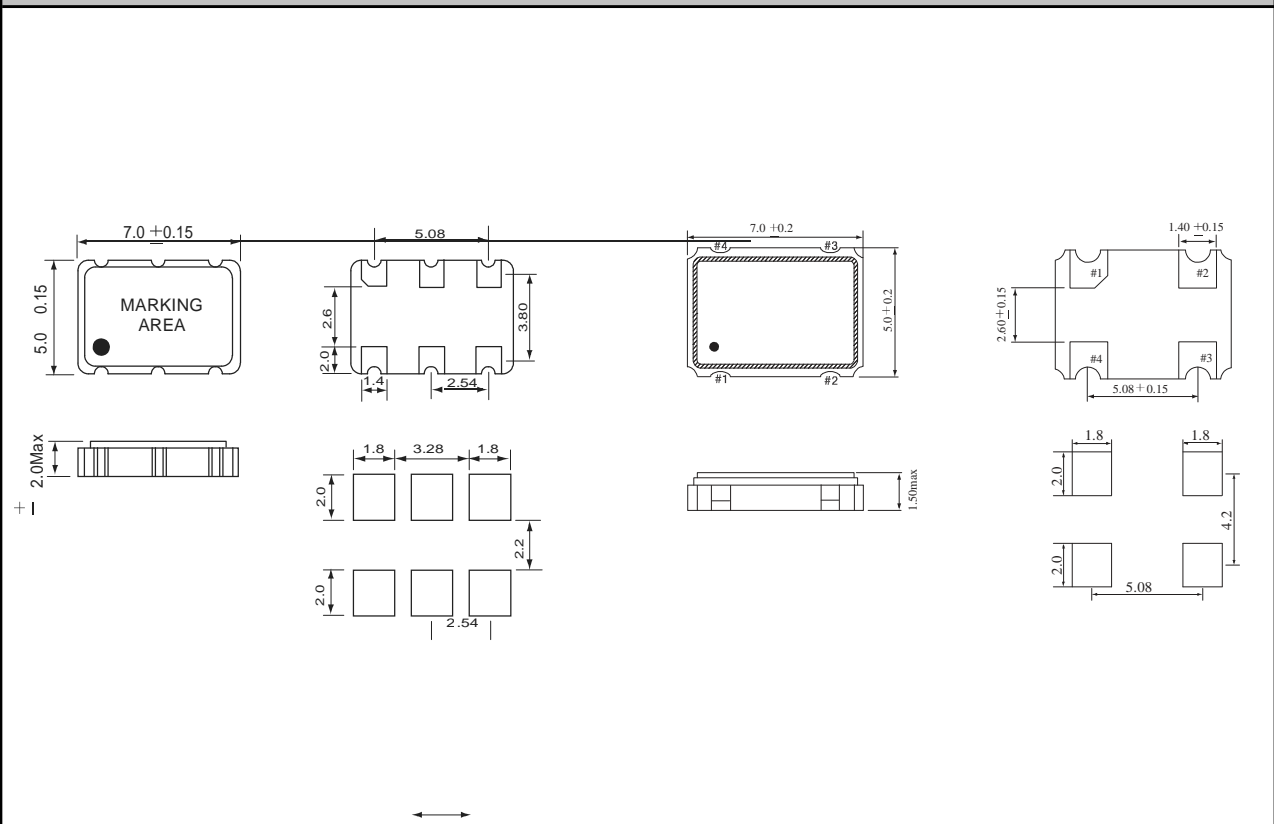
Parameters	Standard	Options
Frequency range		
Logic output	HCMOS/TTL compatible	TTL only
Frequency stability		
Overall	+/- 50,0 ppm	+/-15 ppm best possible
Initial at 25°C	Please specify	
Temperature		
vs supply voltage change		
vs load change		
Aging first year		
Aging over Years		
Operating temperature	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	5,0 V ± 5% or 3,3 V ±5%	1,8 V ; 2,5 V ; 2,8 V
		Other on custom request
Current	Other	
0,625 MHz - 29,999 MHz		
30,000 MHz - 49,999 MHz		
50,000 MHz - 54,000 MHz		
Load	15 pF	Other - dependent of logic output
Rise/fall time	Other on custom request	
0,625 MHz - 29,999 MHz		
30,000 MHz - 54,000 MHz		
Duty cycle	40/60 %	45/55 %
		Other on custom request
Phase noise	Please specify (if required)	
Harmonics		
Sub-harmonics		
Jitter		
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)	Other
	+2,5 VDC ±2,5 VDC (5,0V)	

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Parameters	Standard	Options
Start-up time	10 ms max.	Other on custom request
Tristate	High or open = enable Low = disable	no tristate
Marking	Freq + Code + Week + Year	
Package	SX7 6 pad	SX7 4 pad

Drawing



Pin configuration	4 pad version	6 pad version
	#1: Voltage control	#1: Voltage control
	#2: GND	#2: E/D or NC
	#3: Output	#3: GND
	#4: Vcc	#4: Output
		#5: NC
	#6: Vcc	