

SPC2T OSCILLATOR



Specifications

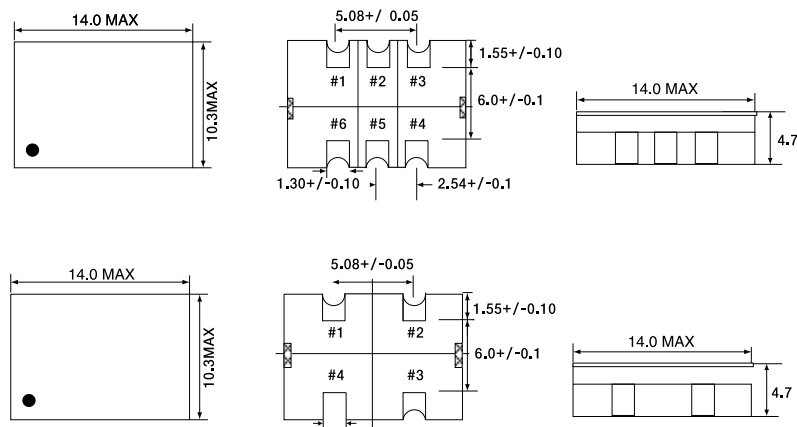
Parameters	Standard	Options
Frequency range	1,25 MHz - 80 MHz	
Logic output	HCMOS/TTL compatible	
Frequency stability		
Initial at 25°C	± 2 ppm	± 1 ppm
Temperature	± 2 ppm	± 0.5 ppm best possible
vs supply voltage change	± 0,3 ppm	
vs load change	± 0,3 ppm	
Aging first year	± 1,0 ppm	
Operating temperature	0° C ~ +70°C	-20°C ~ +70°C
		-40°C ~ +85°C
		Other on custom request
Storage temperature	-40°C ~ +85°C	-55°C ~ +125°C
Supply voltage	5,0 V ± 5%	3,3 V +5%
Current	40 mA max. , depends on frequency	
Load	15 pF or 2TTL	
Rise/fall time	10 ns max. , depends on frequency	
Duty cycle	45/55 %	
Phase noise	Please specify (if required)	
Harmonics		
Sub-harmonics		
Jitter		
Start-up time	10 ms max.	Other on custom request

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Voltage Control Options		
External control voltage	2,5 V \pm 2 V (5V)	1,65 V \pm 1,35 V (3,3 V)
		1,50 V \pm 1,0 V
Linearity	\pm 10% max.	
Frequency tuning range	\pm 5 ppm min	Other on custom request
Pulling slope	Positive	
Marking	Freq + Code + Week +Year	
Package	SP2 4pad	SP2 6pad
		other SP2 package dimensions available

Drawing



Pin configuration	#1: Control voltage / NC	#1: Control voltage / NC
	#2 : E/D	#2 : E/D
	#3 : GND	#3 : GND
	#4 : Output	#4 : Output
		#5 : NC
		#6 : Vcc