

SPC2 OSCILLATOR



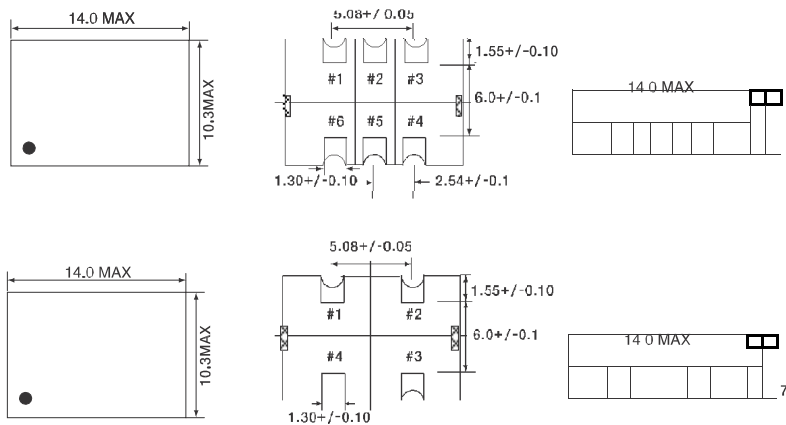
Specifications			
Parameters	Standard	Options	
Frequency range	0,5 MHz - 200,000 MHz		
Logic output	HCMOS/TTL compatible	TTL only	
Frequency stability			
Overall	+/- 50 ppm	+/-15 ppm best possible	
Initial at 25°C	Please specify		
Temperature			
vs supply voltage change			
vs load change			
Aging first 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 Other on custom request	
Current	Other		
500,00 kHz - 7,999 MHz			15 mA max.
8,000 MHz - 29,999 MHz			20 mA max.
30,000 MHz - 49,999 MHz			40 mA max.
50,000 MHz - 79,999 MHz			60 mA max.
80,000 MHz - 200,000 MHz			80 mA max.
Load	15 pF	Other - dependent of logic output	
Rise/fall time	Other on custom request		
500,00 kHz - 7,999 MHz			10 ns max.
8,000 MHz - 79,999 MHz			6 ns max.
80,000 MHz - 200,000 MHz			3 ns max.
Duty cycle	40/60 %	45/55 % Other on custom request	
Phase noise	Please specify (if required)		
Harmonics			
Sub-harmonics			
Jitter			

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Parameters	Standard	Options
Start-up time	10 ms max.	Other on custom request
Frequency trimming range with externally adjustable trimmer		± 3 ppm min.
Tristate	High or open = enable Low = disable	Other no tristate
Marking	Freq + Code + Week +Year	
Package	SP2 4pad	SP2 6pad Other SP2 package dimensions available

Drawing



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