

# SP4ST OSCILLATOR

## Specifications

Parameters	Standard	Options
Frequency range	9.600 MHz - 40,0 MHz	
Logic output	Clipped sinewave	
Frequency stability		
Initial at 25°C	± 1.0 ppm	
Temperature	± 3.0 ppm	± 1.0 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	-40°C ~ +85°C	-55°C ~ +125°C
Supply voltage	3,3 V ± 5%	5,0 V ± 5%
		3.0 V ± 5% , 2.8 V ± 5%
Current	2,0 mA max	
Load	10 Kohm // 10 pF	Other on custom request
Phase noise	Please specify ( if required )	
Harmonics		
Sub-harmonics		
Start-up time	10 ms max.	Other on custom request
Frequency trimming range with externally adjustable trimmer	± 3 ppm min.	other
Marking	Freq + Code + Week +Year	

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Voltage Control Options		
External control voltage	+ 1,50 VDC $\pm$ 1,0 VDC +2,5 VDC $\pm$ 2,0 VDC (5,0V)	Other on custom request
Linearity	$\pm$ 10% max.	Other on custom request
Frequency tuning range	$\pm$ 10 ppm	Other on custom request
Pulling slope	Positive	Other on custom request

## Drawing

Package	SP4 4pad	SP4 6pad
<p>H = 2.5 mm or 4.7 mm</p>		
Pin configuration	#1 : NC / Vco	#1 : GND
	#2 : GND	#2 : GND
	#3 : Output	#3 : Output
	#4 : Vcc	#4 : GND
		#5 : Voltage control
		#6 : Vcc