

SPS8TF OSCILLATOR

Specifications		
Parameters	Standard	Options
Frequency range	2,0 MHz - 52 MHz	
Logic output	Clipped sine	
Frequency stability		
Overall		
Initial at 25°C	± 1 ppm	
Temperature	± 1,0 ppm (-10° /+60°C)	± 2,0 ppm (-30° / +75°C) ± 2,0 ppm (-40° / +85°C)
vs supply voltage change	± 0,1 ppm	
vs load change	± 0,1 ppm	
Aging first year	± 1,0 ppm	
Operating temperature	-10° C ~ +60°C	-20°C ~ +70°C -30°C ~ +75°C -40°C ~ +85°C
Storage temperature	-40°C ~ +85°C	-55°C ~ +125°C
Supply voltage	5,0 V ± 5%	3,3 V +5%
Current	30 mA max.	
Load	20 kOhm // 5 pF	
Phase noise	Please specify (if required)	
Harmonics		
Sub-harmonics		
Jitter		
Start-up time	10 ms max.	
Tristate	High or open = enable Low = disable	no tristate
Internal trimmer		± 5,0 ppm min

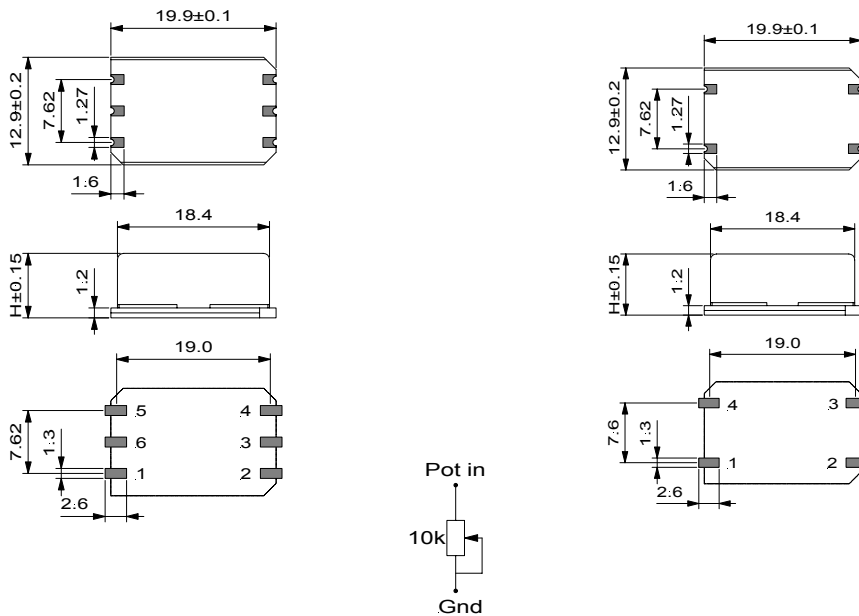
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Voltage Control Options

External control voltage	2,5 V \pm 2 V (5V)	1,50 V \pm 1,50 V (3,3 V)
Linearity	\pm 10% max.	
Frequency tuning range	\pm 5 ppm	Other on custom request
External potentiometer		10 kOhm , \pm 5,0 ppm min , between pin 1 and GND (not available with internal trimmer)
Pulling slope	Positive	
Marking	Freq + Code + Week +Year	
Package	SP8 6pad	SP8 4pad

Drawing



Pin configuration	#1: Vco / NC / Pot in	#1: Vco / NC / Pot in
	#2 : GND	#2 : GND
	#3 : NC	#3 : Output
	#4 : Output	#4 : Vcc
	#5 : Vcc	
	#6 : E/D	