



# SPE2V OSCILLATOR

## Specifications

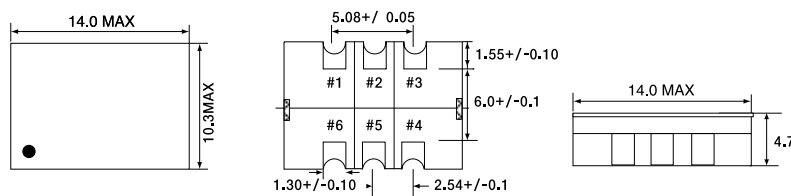
Parameters	Standard	Options
Frequency range	19,440 MHz - 850 MHz	
Logic output	LVPECL	PECL
Frequency stability		
Overall	+/- 50,0 ppm	+/-15,0 ppm best possible
Initial at 25°C	Please specify	
Temperature		
vs supply voltage change		
vs load change		
Aging first year		
Aging over .... Years		
Operating 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	3,3 V +/-5%	5,0 V ± 5% ; 2,5 V +/-5%
		Other on custom request
Current	80 mA max	
Load	Vcc-2,0 V into 50 ohms	
Rise/fall time	2 ns max,	
Duty cycle	40/60 %	45/55 %
		Other on custom request
Jitter ( 12kHz ~20,0 MHz )	< 184,320 MHz : 1ps RMS	Other on custom request
	> 184,320 MHz : 4,5 ps RMS	
Phase noise	Please specify ( if required )	
Harmonics		
Sub-harmonics		
Start-up time	10 ms max.	Other on custom request
Linearity	± 10% max.	Other on custom request
Frequency tuning range	± 50 ppm - ± 200 ppm min	Other on custom request
Pulling slope	Positive	Other on custom request
External control voltage	+ 1,65 VDC ±1,65 VDC (3,3V) +2,5 VDC ±2,5 VDC (5,0V)	Other
Frequency trimming range with externally adjustable trimmer		± 3 ppm min.
		Other

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Parameters	Standard	Options
Tristate	no tristate	low or open = enable high = disable
Marking	Freq + Code + Week +Year	
Package	SP2 6 pads	Other SP2 package dimensions available

## Drawing



Pin configuration	<b>6 pad version</b>
	#1 : Control voltage
	#2 : E/D or NC
	#3 : GND
	#4 : Output
	#5 : Complementary output
	#6 : Vcc

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