

SPE2VF OSCILLATOR



Specifications

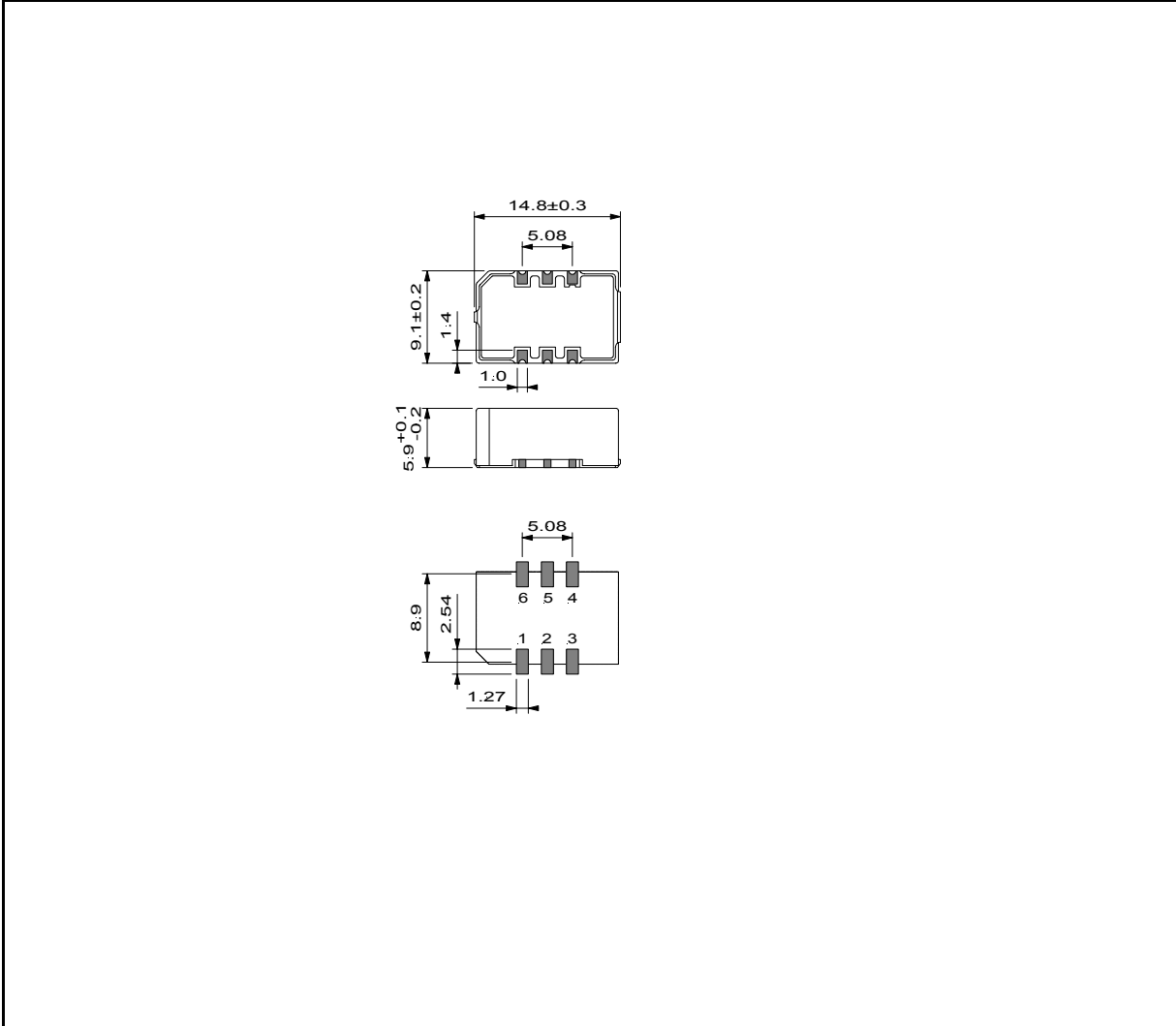
Parameters	Standard	Options
Frequency range	16,000 MHz - 180,000 MHz	
Logic output	LVPECL	PECL
Frequency stability		
Initial at 25°C	± 10 ppm	
Temperature	± 25 ppm	± 15 ppm
vs supply voltage change	± 3 ppm	
vs load change	± 0,5 ppm	
Aging first year	± 2 ppm	
Operating temperature	0° C ~ +70°C	-20°C ~ +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%
Current	70 mA max	
Load	Vcc-2,0 V into 50 ohms	
Rise/fall time	0,5 ns max.	
Duty cycle	40/60 %	
Jitter (12kHz ~ 5,0 MHz)	0,5 ps RMS	
Jitter (50kHz ~ 80,0 MHz)	1 ps RMS	
Start-up time	10 ms max.	
Linearity	± 10% max.	Other on custom request
Frequency tuning range	±100 ppm min	
Pulling slope	Positive	
External control voltage	+ 1,50 VDC ±1,50 VDC (3,3V)	+2,5 VDC ±2,5 VDC (5,0V)
Tristate	Low or open = enable High = disable	
Marking	Freq + Code + Week +Year	

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Drawing

Package	SP2F 6 pads	
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Pin configuration	6 pad version	
	#1 : Control voltage	
	#2 : E/D or NC	
	#3 : GND	
	#4 : Output	
	#5 : Complementary output	
	#6 : Vcc	