

SPE2VFH OSCILLATOR



Specifications

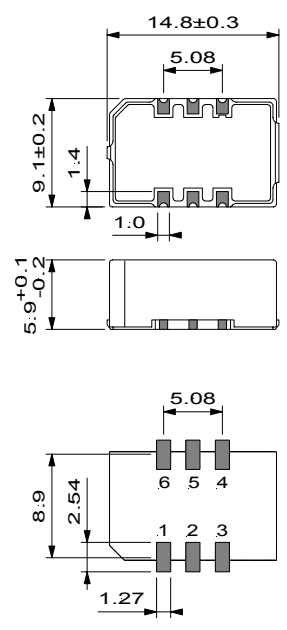
Parameters	Standard	Options
Frequency range	600,000 MHz - 800,000 MHz	
Logic output	LVPECL	
Frequency stability		
Initial at 25°C	± 10 ppm	
Temperature	± 25 ppm	± 20 ppm / ± 30 ppm -40°/+85°C
vs supply voltage change	± 3 ppm	
vs load change	± 0,5 ppm	
Aging first year	± 2 ppm	
Operating temperature	0° 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%	
Current	50 mA max	
Load	Vcc-2,0 V into 50 ohms	
Rise/fall time	0,5 ns max.	
Duty cycle	45/55 %	
Jitter RMS (12kHz ~ 5,0 MHz)	0,10 ps typ. ; 0,15 ps max.	
Jitter RMS (12kHz ~ 20,0 MHz)	0,15 ps typ. ; 0,20 ps max.	
Jitter RMS (50kHz ~ 80,0 MHz)	0,40 ps typ. ; 0,50 ps max.	
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	+ 1,65 VDC ±1,35 VDC	
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