

VCX93 PECL

VOLTAGE-CONTROLLED CRYSTAL OSCILLATOR

SMD



TYPICAL APPLICATIONS

Networking, Broadband Access, Router

FEATURES

PECL output
J-Lead PBC 6 Pad
Enable / Disable feature

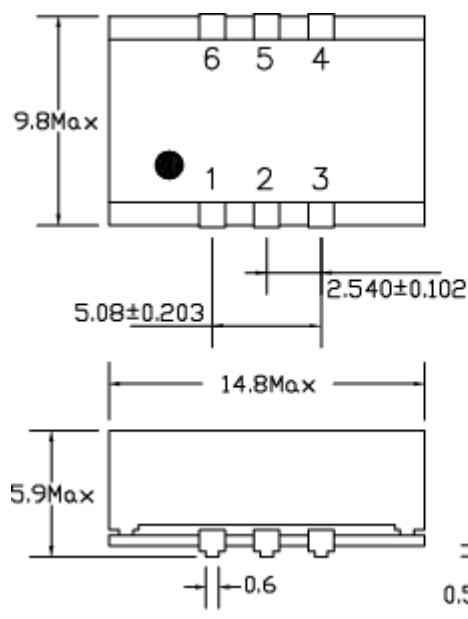
TYPICAL SPECIFICATIONS

Frequency Range	19.440 ~ 212.500MHz	
Frequency Stability❖	$\pm 20 \times 10^{-6}$, $\pm 25 \times 10^{-6}$, $\pm 50 \times 10^{-6}$, $\pm 100 \times 10^{-6}$	
Temperature range(°C)	Operating	0 ~ +70°C
	Storage	-55 ~ +125°C
Power Supply Voltage	+5V(±5%)	+3.3V(±5%)
Current Consumption	120mA (Max)	80mA (Max)
Output Level	"0" level	VOH - 1.025 Vdc Min
	"1" level	VOL - 1.620 Vdc Max
Absolute Pull Range (APR)	± 30 ppm Standard, ± 50 ppm, ± 75 ppm, ± 100 ppm Max	
Load	50Ω	
Rise & fall time	2nS Max (20% ~ 80% of waveform)	
Duty Cycle	50% ± 10% (50% of waveform)	
Start Up Time	10mS Max	
External Control Voltage	0.5 Vdc to 4.5 Vdc	0.3 Vdc to 3.0 Vdc
Jitter	RMS: 3.5ps Max	
Linearity	$\pm 20\%$ Custom Spec Available	

OUTLINE DIMENSIONS

Unit:mm

❖ Inclusive of calibration tolerance at +25°C operating temperature, supply voltage range, ± 1 ppm Aging / year
* Please consult with us for other specification.



PIN NO	CONNECTION
# 1	Voltage Control
# 2	Enable/ Disable
# 3	GND
# 4	Out put
# 5	Complimentary Output
# 6	+ VCC