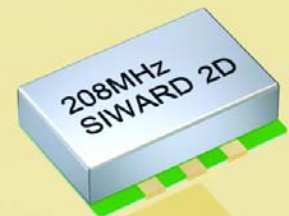


VCX94 PECL

VOLTAGE-CONTROLLED CRYSTAL OSCILLATOR

SMD



TYPICAL APPLICATIONS

Networking, Broadband Access, Router

FEATURES

PECL output
SMD 6 Pad PBC
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)	±30ppm Standard, ±50ppm, ±75ppm, ±100ppm 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	±20% Custom Spec Available	

OUTLINE DIMENSIONS

Unit:mm

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

