



**PRODUCTS**

**Voltage Controlled Crystal Oscillator (SMD)**

**Typical Applications:**

- Digital Transmission
- Instrumentation

# VC19 series (SMD Voltage Controlled Crystal Oscillator Series)

Part Number: VC19 Series - Waveform - Stability- Freq - Vcc - Pulling

Example: VC19LV25-61.440-3.3V-75

**Specification**

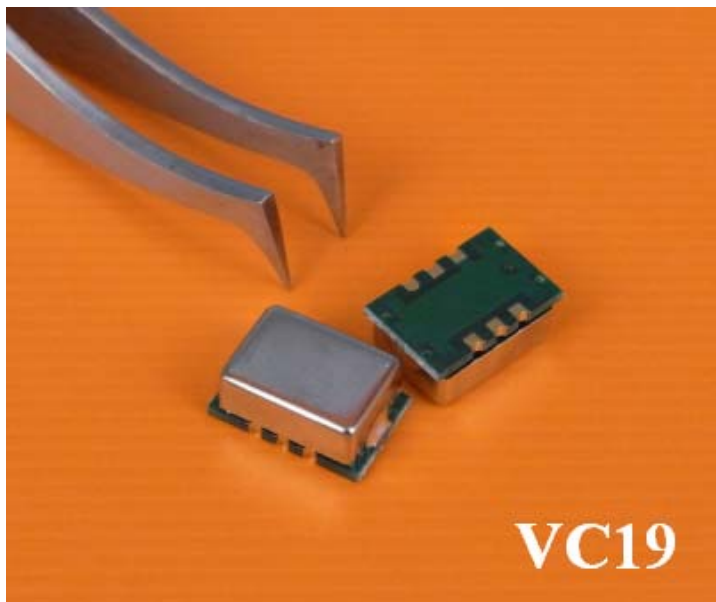
**VC19**

Part No.	Example
VC19 Series - Waveform - Stability - Freq - Vcc - Pulling	VC19LV25-61.440-3.3V-75

Specification	VC19	
Frequency Range	61.440 ~ 155.520MHz	
Output Waveform	LVCMOS	LVPECL
Load	15pF	50ohms
Frequency Stability vs. Temperature	±25ppm typ.	
Operating Temperature	-40°C to +85°C	
Frequency Stability vs Calibration (@25°C)	±10ppm typ.	
Storage Temperature Range	-55°C to +125°C	
Rise and Fall Time	5 nsec max. (10% / 90% Vout)	1 nsec max. (10% / 90% Vout)
Frequency Stability vs. Load Deviation	±1ppm typ.	
Frequency Stability vs. Supply Deviation	±3ppm typ.	
Frequency Stability vs. Aging	±2ppm/year max.	
Supply Voltage (Vcc)	3.3 / 5.0 VDC	
Current	50mA max.	90mA max.
Duty Cycle (Typical)	40 / 60% ( at 50% Vcc) typ. or 45 / 55% max.	
Pulling	±75ppm ±120ppm over 10% ~ 90% Vcc	
Phase Noise (Typ.)	<b>Offset</b>	<b>Phase Noise</b>
	10Hz	-60dBc/Hz
	100Hz	-95dBc/Hz
	1KHz	-125dBc/Hz
	10KHz	-140dBc/Hz
	100KHz	-145dBc/Hz
	1MHz	-145dBc/Hz

Note: This is a typical parameter spec., please contact us for detail specification sheet.

**HIGH PRECISION OSCILLATOR**



**Dimension**

(Unit: mm)

