



PRODUCTS

Voltage Controlled Crystal Oscillator (SMD)

Typical Applications:

- Digital Transmission
- Instrumentation

VC31 Series (SMD Voltage Controlled Crystal Oscillator Series)

Part Number: VC31 Series - Waveform - Stability- Freq - Vcc - Pulling

Example: VC31SB-12.800-12.0V-D

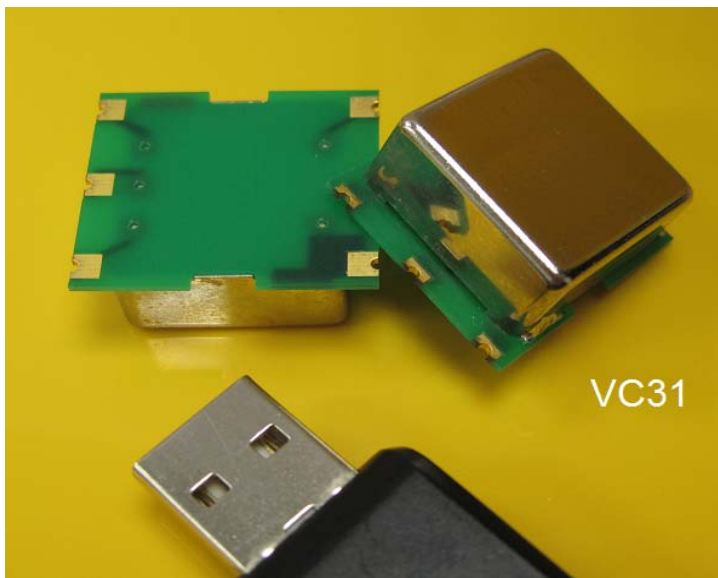
Specification

VC31

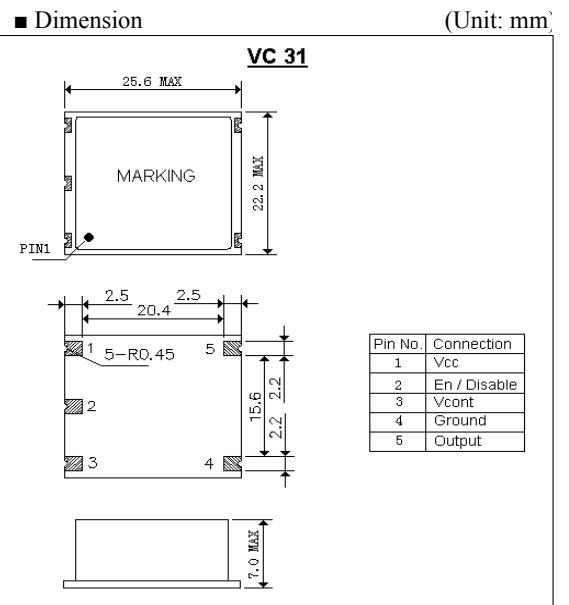
Part No.	Example
VC31 Series - Waveform - Stability - Freq - Vcc - Pulling	VC31SB-12.800-12.0V-D

Specification	VC31
Frequency Range	10.000 ~ 40.000MHz
Output Waveform	HCMOS / TTL Sinewave / Clipped Sinewave
Load	15pF / 4 TTL 50 ohms / 10 Kohms/10pF
Frequency Stability vs. Temperature (Typical)	A: ±0.05ppm -40°C to +85°C C: ±0.1ppm -40°C to +85°C
	B: ±0.28ppm -20°C to +70°C D: ±0.05ppm -20°C to +70°C
Frequency Stability vs Calibration (@25°C)	±0.3ppm max.
Storage Temperature Range	-50°C to +90°C
Rise and Fall Time	10 nsec max. (10% / 90% Vout)
Frequency Stability vs. Load Deviation	±0.05ppm max. @ ±10% variation from standard load
Frequency Stability vs. Supply Deviation	±0.05ppm max. @ ±5% variation from nominal supply
Frequency Stability vs. Aging	±1.0ppm/year max.
Supply Voltage (Vcc)	12V, 5V, 3.3V(optional) ±5%
Current	10mA max.
Duty Cycle (Typical)	40 / 60% (at 50% Vcc)
Pulling	N: No frequency adjustment / D: ±8ppm (typ.)
Phase Noise (@1KHz)	-135dBc / Hz (No PLL) -125dBc / Hz (PLL)

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



VC31



HIGH PRECISION OSCILLATOR