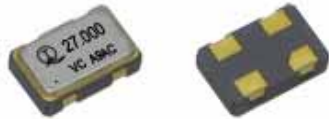


SMD VOLTAGE CONTROLLED CRYSTAL OSCILLATORS

VC600



FEATURES

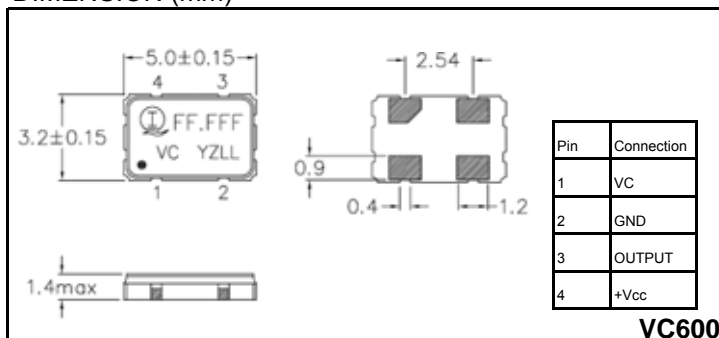
- Compact size
- Low profile
- Pick and place assembly
- Low cost to performance ratio



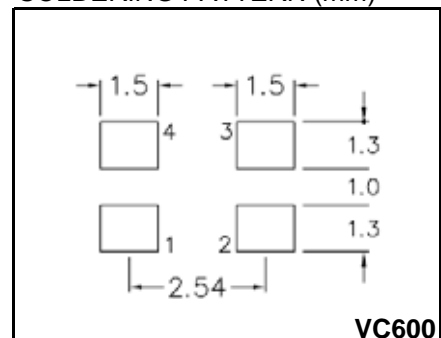
Item	Specifications	
Nominal Frequency Range	1.0MHz ~ 40.0MHz	
Frequency Stability ¹	±25ppm, ±50ppm	
Operating Temperature Range	-10°C to 70°C, -40°C to 85°C	
Storage Temperature Range	-55°C to 125°C	
Supply Voltage (V _{DD})	3.3V±5%, 5.0V±5%,	
Current Consumption	30mA Max.	
Rise & Fall Time	8ns Max.	
Pulling Range	±100ppm	
Control Voltage Range	1.6V±1.35V, 2.5V±2.0V	
Linearity	10%	
Slope	Positive	
Output Waveform	CMOS, HCMOS	
Modulation Bandwidth (BW)	5KHz Min.	
Input Impedance	10KΩ Min.	
Duty Cycle	40% ~ 60%	
Output Voltage	V _{OH}	90% V _{DD}
	V _{OL}	10% V _{DD}
Phase Noise	10Hz	-70dBc/Hz
	10KHz	-130dBc/Hz
Output Load	15pF	
Start-up Time	10ms Max.	

¹ Inclusive of initial frequency tolerance at 25°C, operating temperature range, supply voltage change, load variation and 1st year aging. Please consult our sales representatives for other specifications.

DIMENSION (mm)



SOLDERING PATTERN (mm)



All specifications are subject to change without notice.



Interquip Electronics Co., Ltd

Flat A, 9/F, On Shing Industrial Building, 2-16 Wo Liu Hang Road, Fotan, Hong Kong
 Tel: +852 2413 5515 Fax: +852 2413 7053 <http://www.interquip.com>