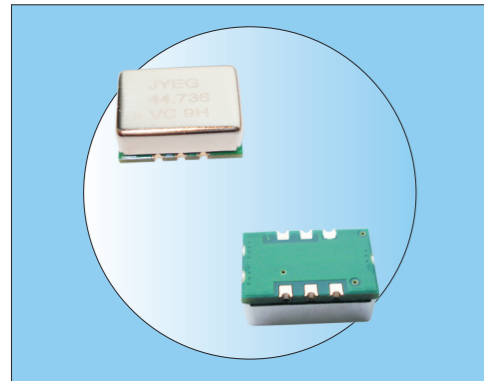


# Crystal Oscillators

## Voltage Controlled Crystal Oscillator/SMDVCXO-1409



### Features

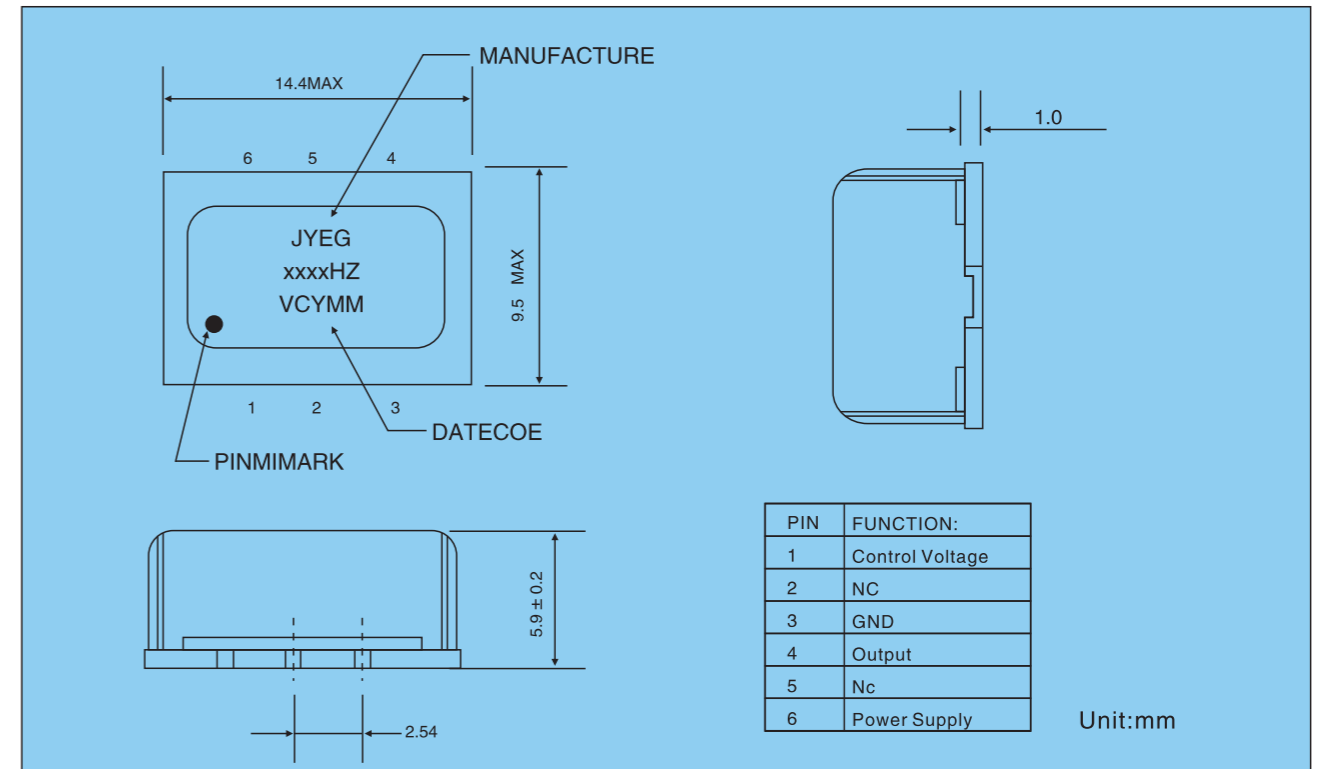
- JYEG part number: JYVC1409
- Wide Frequency Range up to 170.00 MHz
- HCMOS/LVCMOS
- APPLICATIONS:  
SDH/SONET, ATM, WLL, PLL Circuits  
Measurement Equipment

### TYPICAL SPECIFICATIONS

Type	VC1409
Frequency Range	2~170.00MHz
Standard Frequencies	38.88、44.736、61.44、100、122.88MHz
Operating Temperature Range	-40°C~+85°C
Output Waveform and Load Characteristics	HCMOS,LVCMOS
Control Voltage Range	0.1~0.9VDD
Center Voltage	0.5VDD
Absolute Pulling Range(APR)	± 50ppm min, ± 75ppm min, ± 100ppm min ≤ 44.736MHz ± 50ppm min ≤ 44.736MHz
Linearity	< ± 10%
Input Impedance	≥ 50k ohm
Modulation Bandwidth	Customer specify
Supply Voltage	+3.3VDC,+5.0VDC, ± 5%
Supply Current	≤ 44.736MHz, 25mA(max.)
	≤ 122.88MHz, 40mA(max. )
Storage Temperature Range	-40°C~+100°C

# Crystal Oscillators

## SMD -VCXO1409



### OUTPUT WAVEFORM AND LOAD CHARACTERISTICS

Output Waveform	HCMOS/LVCMOS
Output Characteristics	Load: 15pF Typical "1" level: > 0.9VDD; "0" level: < 0.1VDD Duty cycle: 40/60

### Test Circuit-CMOS

