

VOLTAGE CONTROLLED CRYSTAL OSCILLATOR VCX95



Applications

- MPEG / ADSL / Settop Box
- Smart Metering

Features

- Dimensions (5.0 × 3.2 × 1.1)
- Ceramic SMD Package
- Seam sealed
- Low current consumption and CMOS Output
- Wide pulling range

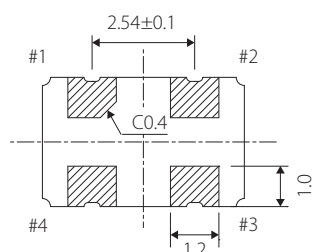
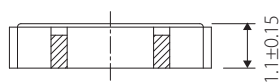
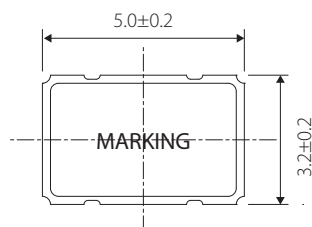
Specifications



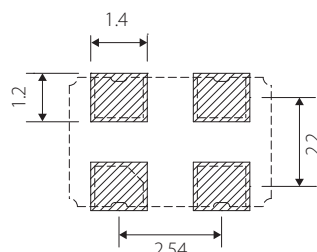
Model	VCX95
Frequency range	1.5~61.44MHz
Storage temperature range	-55 ~ +125°C
Operating temperature range	-40~+85°C
Frequency stability	± 30ppm/± 50ppm
Power supply voltage	3.3V DC ± 10%
Current consumption	10mA max@~20M
	15mA max@~40M
	25mA max@~61.44M
External control function	
External control voltage	± 100ppm min./1.65V ± 1.5V
Modulation Characteristics	15KHz min.
Output level	C-MOS
Output load	15pF
Output Voltage level	Vol: 10%Vcc max. / VoH: 90%Vcc min.
Rise & Fall time	6ns max.@10%Vcc ~ 90%Vcc
Duty cycle	45~55% @50% Vcc
Start-up time	5ms max.
Phase Jitter	1ps max.@12KHz to 20MHz
Phase noise	-130dBc/Hz max.(at 1KHz)@F=27MHz/Vdd=3.3V

Package quantity: 3,000pcs max./Reel.

Outline and Dimensions [unit:mm]



Land Pattern(REFERENCE)



Terminal	Connection
#1	Vc
#2	GND
#3	Output
#4	Vcc