

VOLTAGE CONTROLLED CRYSTAL OSCILLATOR VCX00



Applications

- MPEG / ADSL / Settop Box

Features

- Dimensions (3.2 × 2.5 × 0.9)
- Small ceramic package
- Wide pulling range
- Low current consumption

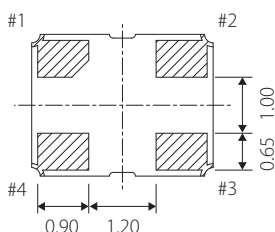
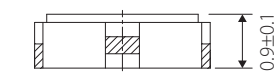
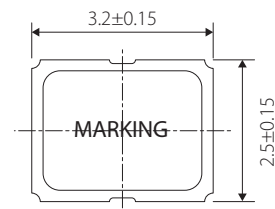
Specifications



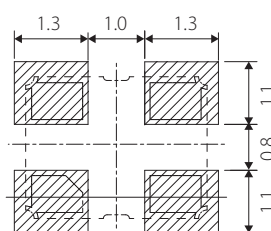
Model	VCX00		
Frequency range	1.500 ~ 54.000MHz		
Storage temperature range	-55 ~ +125°C		
Operating temperature range	-40 ~ +85°C		
Frequency stability	±30ppm/±50ppm		
Power supply voltage	1.8V DC ± 10%	2.8V DC ± 10%	3.3V DC ± 10%
Current consumption	3mA max.	9mA max.	13mA max.
External control function External control voltage	±80ppm min. /0.9V ± 0.9V	±90ppm min. /1.4V ± 1.4V	±100ppm min. /1.65V ± 1.65V
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		
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