

VCX91, VCX92

VOLTAGE-CONTROLLED CRYSTAL OSCILLATOR

SMD



TYPICAL APPLICATIONS

LAN/WAN, Frequency Transmission, Frequency Synthesis, Video Compression, Phase-Locked Loop (PPL), Clock and Data Recovery

FEATURES

Ultra-thin, Ceramic SMD Package, Seam Sealed, Lead-free Design, Low Control Voltage, CMOS Output, Tri-state Option, Reflow Soldering, Embass Taping, RoHS Compliant Standard

DIMENSION

7.0x5.0x1.8[mm]

TYPICAL SPECIFICATIONS

Model	VCX91, VCX92		
Nominal Frequency Range	2 ~ 55MHz		
Standard Frequency	16.384, 24.576, 27, 32.768, 35.328, 44.736MHz		
Frequency Stability	±30 ppm Max., ±50 ppm Max.		
Aging (+25°C)	±5 ppm / year Max.		
Temperature Range	Operating	-20°C ~ +70°C	
	Storage	-40°C ~ +85°C	
Power Supply Voltage(VDC)	+3.3V, +5.0V(±5%)		
Current Consumption	20mA Max.		
Output	Load	15pF	
	Level	CMOS	
	Symmetry	45% ~ 55% @ 1/2Vcc	
	Rise & Fall Time	10ns Max.@ 10% ~ 90% Vcc	
	Voltage "0" level	Vol : 0.1 Vcc Max.	
		"1" level	Voh : 0.9 Vcc Min.
	Phase Noise (@ 1.0KHz) [dBc/Hz]	-130 dBc / Hz Typ.**	
Period Jitter RMS	6ps Max		
Phase Jitter RMS	1ps Max Fj=12k~20MHz		
Pull	Pullability	±100 ppm Min.	
Characteristics Control	Control Voltage	+2.5V±2V, +1.65V±1.5V	



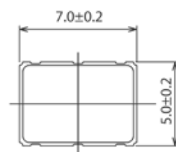
Please consult with our sales department for other parameters.

** Performance vary based on different specification.

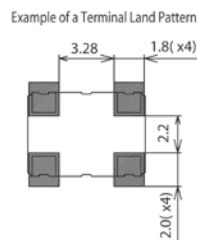
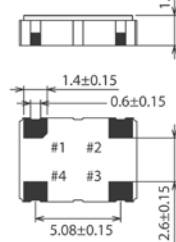
OUTLINE DIMENSIONS

Unit:mm

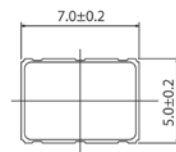
VCX-91



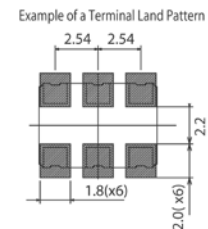
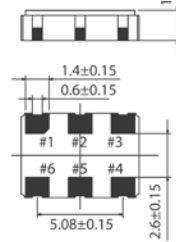
PIN NO	CONNECTION
# 1	+Vcont
# 2	GND
# 3	OUTPUT
# 4	+Vcc



VCX-92



PIN NO	CONNECTION
# 1	+Vcont
# 2	INH (NC)
# 3	GND
# 4	OUTPUT
# 5	NC (INH)
# 6	+Vcc



All specifications are subject to change without notice.