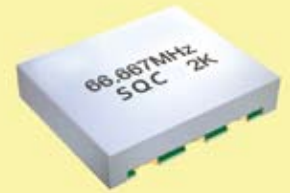


VCX93

VOLTAGE-CONTROLLED CRYSTAL OSCILLATOR

SMD



TYPICAL APPLICATIONS

Gigabit Ethernet, Fiber Channel Routers/Hubs, Digital Switching Networks, SONET/ATM/SDH System Equipment, High Resolution Video

FEATURES

SMD Design, High Frequency, Low Jitter, RoHS Compliant Optional

DIMENSION

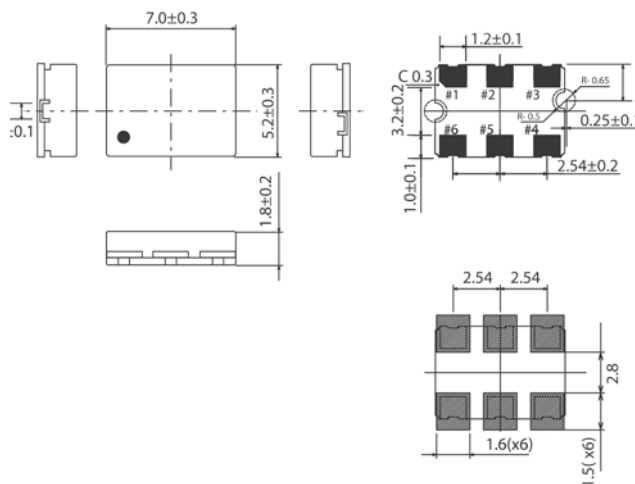
7.0x5.2x1.8[mm]

TYPICAL SPECIFICATIONS

Model	VCX93		
Nominal Frequency Range	155.52 ~ 167.3316 MHz		
Standard Frequency	155.52, 156.25, 161.1328, 1666286, 167.3316MHz		
Frequency Stability	±50 ppm Max.		
Aging (+25°C)	±5 ppm / year Max., ±20 ppm / 5 years Max.		
Temperature Range	Operating	0°C ~ +70°C	
	Storage	-40°C ~ +85°C	
Power Supply Voltage(VDC)	+3.3V, 5V, 5.2V (± 5%)		
Current Consumption	60mA Max.		
Output	Load	50 Ω	
	Level	PECL(Complementary)	
	Symmetry	40 ~ 60 % (+2.0V)	
	Rise & Fall Time	Optional, Per Customer Specification	
	Voltage "0" level	Vol : 1.62Vcc Max.	
		"1" level	Voh : 1.025Vcc Min.
	Phase Noise (@ 1.0KHz) [dBc/Hz]	Optional, Per Customer Specification	
Period Jitter RMS	Optional, Per Customer Specification		
Phase Jitter RMS	Optional, Per Customer Specification		
Total Jitter RMS	Optional, Per Customer Specification		
Pull Characteristics	Pullability	±100 ppm min / (Vc=1.65±1.65V)	
	Polarity	Positive	

Please consult with our sales department for other parameters.

OUTLINE DIMENSIONS
Unit:mm



PIN NO	CONNECTION
# 1	V.C.
# 2	N.C.
# 3	GND
# 4	OUTPUT
# 5	OUTPUT
# 6	+DC

All specifications are subject to change without notice.