

OSC57A LVPECL

CRYSTAL OSCILLATOR

SMD



TYPICAL APPLICATIONS

SONET, SDH, Gbits, Ethernet, IEEE1394, Fibre Channel

FEATURES

Miniature, Ceramic SMD Package, Seam Sealed, Lead-free Design, Differential LVPECL (Low Voltage Positive Emitter Comparator Logic) output, Low Jitter, RoHS Compliant Standard

DIMENSION

7.0x5.0x1.6[mm]

TYPICAL SPECIFICATIONS

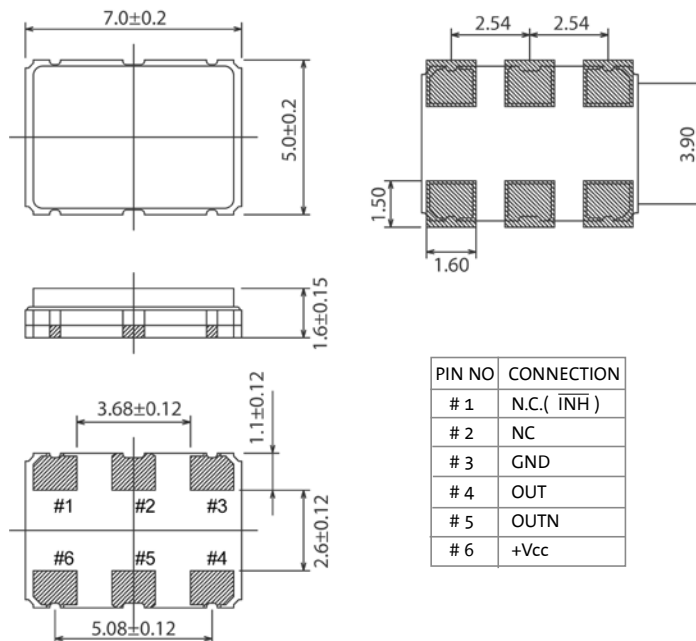
Model	OSC57A LVPECL		
Nominal Frequency Range	100~164.335MHz		
Standard Frequency	100, 106.25, 108, 125, 133, 155.52, 156.25, 161.123, 164.355MHz		
Frequency Stability	±30 ppm, ±50 ppm, ±100 ppm		
Aging (+25°C)	±5 ppm / year Max.		
Temperature Range	Operating	-10°C ~ +70°C	
	Storage	-40°C ~ +85°C	
Power Supply Voltage(VDC)	+3.3V(±5%)+2.5V(±5%)		
Input Voltage	"0" level	Vol : 0.3Vcc Max.	
	"1" level	Voh : 0.7Vcc Min.	
Current Consumption	90mA Max.(60mA typ.)		
Output	Load	50Ω (a terminus to Vcc-2V)	
	Level	LVPECL	
	Symmetry	45% ~ 55% @ Output Amplitude 50%	
	Rise & Fall Time	1ns Max.@ Output Amplitude 20%~80%	
	Voltage	"0" level	Vol : 1.680Vcc Max.
		"1" level	Voh : 2.275Vcc Min.
Period Jitter RMS	5ps Max.(3ps typ.)		

Please consult with our sales department for other parameters.

Package quantity 1,000 pcs or 3,000 pcs max./reel.



OUTLINE DIMENSIONS
Unit:mm



PIN NO	CONNECTION
# 1	N.C.(IINH)
# 2	NC
# 3	GND
# 4	OUT
# 5	OUTN
# 6	+Vcc

All specifications are subject to change without notice.