

## Clock Oscillator (LVPECL)

# SCO-5032P



### General Description

Ceramic packaged oscillator with differential output and very high frequency range available

### Features

Excellent low phase noise and Jitter  
Very High frequency range available

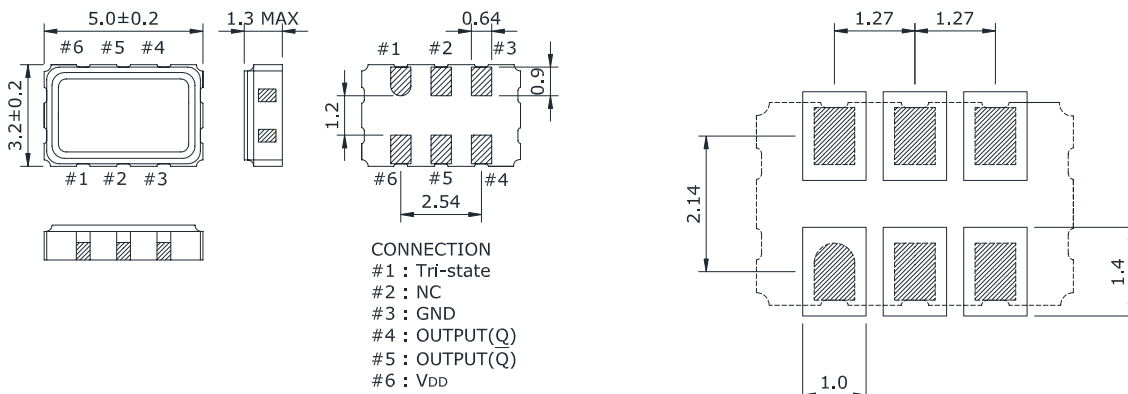
### Main applications

Fibre Channel, Giga Ethernet, ATA, SCSI, PCI-Express, SDH/SONET

## Electrical characteristics

Item	Values
Part number	SCO-5032P LVPECL
Output Waveform	SQUARED DIFFERENTIAL
Supply voltage	+2.5V , +3.3V
Frequency range	0.75 - 250 MHz
Current consumption	85mA max
Operating temperature range	-20°C / +70°C or -40 / +85°C
Storage temperature range	-55°C / +125°C
Frequency stability	<±50ppm overall or user spec
Output load	50Ω (terminated to Vdd-2V)
Duty cycle	40%...60%
Output High Level	1.415V - 1.760V [2.5Vdd] , 2.215 - 2.42V [3.3Vdd]
Output Low level	0.67V - 1.195V [2.5Vdd] , 1.47V - 1.745V [3.3Vdd]
Option Enable-Disable/Tri-state	available (Enable @ >70% Vcc , Disable at <30% Vcc)
Start up time	5ms max
Phase Jitter (12KHz - 20MHz)	1ps RMS max
Aging	<±3ppm / year

## Dimensions



# SCO-5032P

Part Number Generator

SCO-5032P    0        A        50        -        010.000000  
                 0            1            2            3                                    4

<b>0</b> : Type
SCO-5032P

<b>1</b> : Vcc
2 = +2.5V
3 = +3.3V

<b>2</b> : Op. temp. range
blank = -20/+70
A=-40/+85

<b>3</b> : Stability overall
50 < ±50ppm
25 < ±25ppm
20 < ±20ppm

<b>4</b> : Frequency (MHz)
□□□.□□□□□□
max 10 digits including comma

