

## Clock Oscillator (LVDS)

# SCO-5032D



### 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

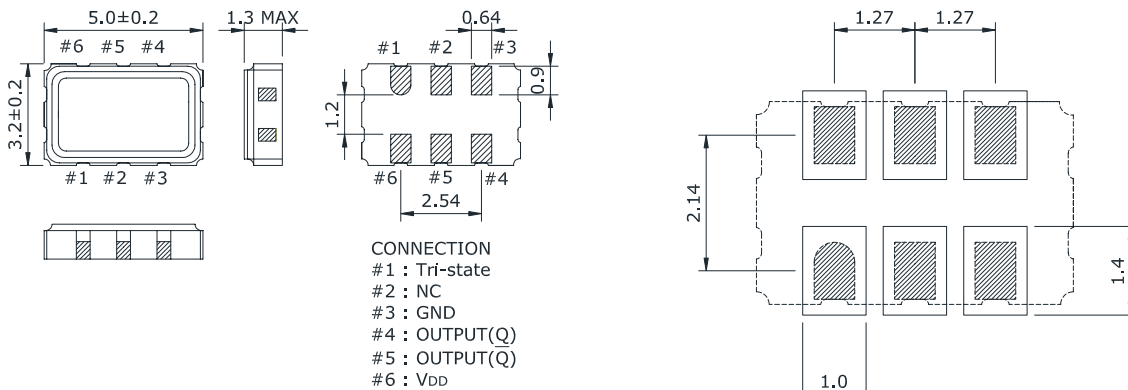
### Main applications

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

## Electrical characteristics

Item	Values
Part number	SCO-5032D LVDS
Output Waveform	SQUARED DIFFERENTIAL
Supply voltage	+2.5V , +3.3V
Frequency range	13.5 - 250 MHz
Current consumption	65mA 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	100Ω (OUT-OUTN)
Duty cycle	40%...60%
Output High Level	1.43V typ. - 1.6V max
Output Low level	0.9V min - 1.1V typ.
Differential output voltage	0.247V - 0.350V - 0.454V
Offset voltage	1.125V - 1.250V - 1.375V
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



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### Part Number Generator

**SCO-5032D 0 A 50 - 010.000000**

0            1            2            3                            4

**0** : Type  
SCO-5032D

**1** : Vcc  
2 = +2.5V  
3 = +3.3V

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

**3** : Stability overall  
50 < ±50ppm  
25 < ±25ppm  
20 < ±20ppm

**4** : Frequency (MHz)  
□□□.□□□□□□  
max 10 digits including comma

Remark : specifications subject to change without prior notice. Please confirm with our sales

