

Clock Oscillator (LVPECL)

SCO-2520P



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

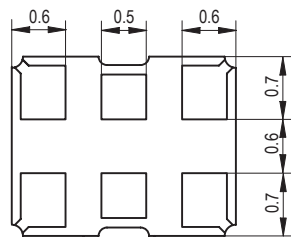
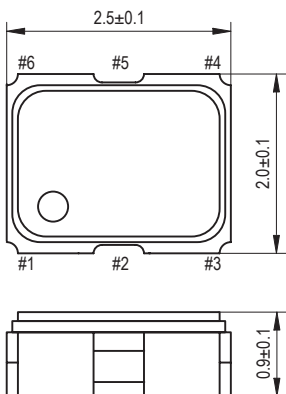
Main applications

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

Electrical characteristics

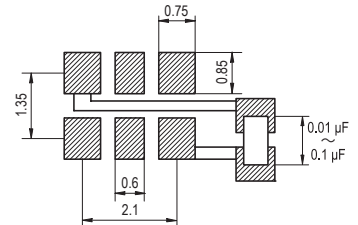
Item	Values
Part number	SCO-2520P LVPECL
Output Waveform	SQUARED DIFFERENTIAL
Supply voltage	+2.5V , +3.3V
Frequency range	6.0 - 175 MHz
Current consumption	85mA max
Operating temperature range	-20°C / +70°C or -40 / +85°C
Storage temperature range	-55°C / +125°C
Frequency stability	<±50ppm overall or user spec
Output load	50Ω (terminated to Vdd-2V)
Duty cycle	40%...60%
Output High Level	Vdd-1.025 - Vdd-0.88V
Output Low level	Vdd-1.81V - Vdd-1.62V
Option Enable-Disable/Tri-state	available (Enable @ >70% Vcc , Disable at <30% Vcc)
Start up time	5ms max
Phase Jitter (12KHz - 20MHz)	0.5ps RMS max
Aging	<±3ppm / year

Dimensions



PIN	CONNECTION
1	"L" OPEN or "H"
2	N.C.
3	GND
4	Z OUTPUT
5	Z C- OUTPUT
6	V _{DD}

Z : high impedance



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

SCO-2520P

Part Number Generator

SCO-2520P 0 A 50 - 010.000000

 0 1 2 3 4

0 : Type

SCO-2520P

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)

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max 10 digits including comma