

Clock Oscillator (LVPECL)

SCO-3225P



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

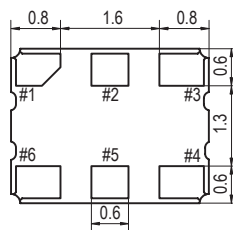
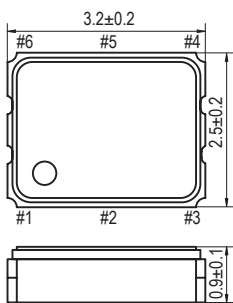
Main applications

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

Electrical characteristics

Item	Values
Part number	SCO-3225P LVPECL
Output Waveform	SQUARED DIFFERENTIAL
Supply voltage	+2.5V , +3.3V
Frequency range	5.0 - 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-1.025V - 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

