

VCXO (LVPECL, LVDS)

VX3225P, VX3225L



General Description

Ceramic packaged VCXO with wide frequency range, compact size, good mechanical reliability

Features

Wide frequency range
Low phase noise and Jitter

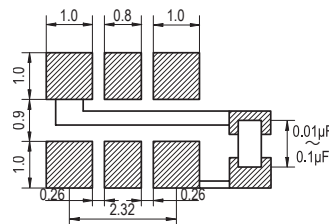
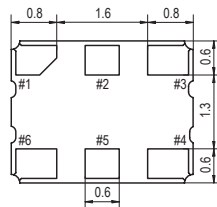
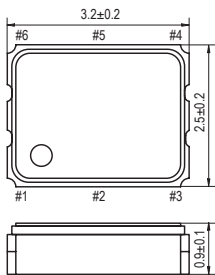
Main applications

Radio transmitter, Digital image device, Ethernet, Base stations, Optical transmission

Electrical characteristics

Item	Values	
Part number	VX3225P (LVPECL)	VX3225L (LVDS)
Output Waveform	SQUARED DIFF.	
Supply voltage	+3.3V	
Control Voltage	+1.65V ±1.65V	
Oscillation mode	Fund. or 3th Ov	
Frequency range	10 - 170 MHz	40 - 170 MHz
Frequency deviation	±80ppm min or user spec	
Current consumption	80mA max	
Linearity	10%	
Slope	positive	
Operating temp. range	-20°C / +70°C or -40°C / +85°C or user spec	
Storage temp. range	-55°C / +125°C	
Frequency stability	< ±50ppm or user spec	
Output load	50Ω to Vdd-2.0V	100Ω (OUT - OUTN)
Duty cycle	40%...60%	
Output high Level	2.215V - 2.42V	1.43 typ - 1.6V max
Output Low Level	1.47V - 1.745V	0.9V min - 1.1V typ
Tr / Tf	0.5ns max	
Start up time	5ms max	
Aging	< ±5ppm	
Phase jitter (12KHz - 20MHz)	1ps RMS max	1ps RMS max

Dimensions



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

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Part Number Generator

VX3225P **3** **10** **A** **-** **D** **10** **E** **-** **010.000000** **xxx**
 0 1 2 3 4 5 6 7 8 9

0 : Type
 VX3225P
 VX3225L

5 : Pulling range
 C > ±50ppm
 D > ±100PPM

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

6 : Linearity
 5 = 5%
 10 = 10%
 etc

2 : Stability in temperature
 10 < ±10ppm
 15 < ±15ppm
 20 < ±20ppm
 25 < ±25ppm
 30 < ±30ppm
 50 < ±50ppm

7 : Option
 blank = no option
 E = Enable / Disable

3 Op. temp. range
 blank = -20/+70
 A = -40/+85

8 : Frequency [MHz]
 □□□.□□□□□□
 max 10 digits including
 comma

4 : Duty Cycle
 blank = 40% - 60%

9 : Customized code
 Note : factory use