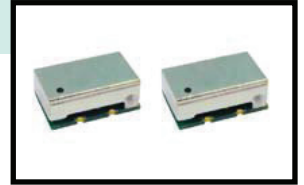


VCXO (CMOS)

VX1490-4

**General Description**

FR4 base VCXO fully customizable in order to meet any customer requirement

Features

All parameters fully customizable
Any frequency available up to 200MHz

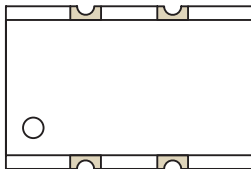
Main applications

Telecomm.

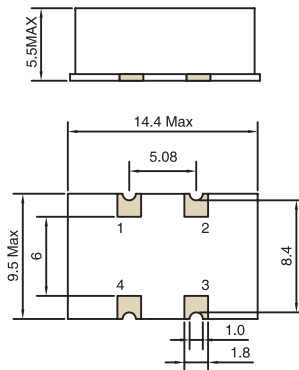
Electrical characteristics

Item	Values	
Part number	VX1490-4	
Output Waveform	SQUARED	
Supply voltage	+3.3V	+5.0V
Control Voltage	+1.65V \pm 1.35V	+2.5V \pm 2.0V
Frequency range	1.0 - 200 MHz	
Frequency deviation	\pm 50ppm , \pm 100ppm , \pm 150ppm , \pm 200ppm (only 5V)	
Current consumption	50mA max	65mA 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	< \pm 50ppm or user spec	
Output load	CMOS 15pF	
Duty cycle	40%...60%	
VOH / VOL	90% Vdd min / 10% Vdd max	
Tr / Tf	7ns max (1-30MHz) , 5ns max (30.001-70MHz) , 4ns max (70.001 - 160MHz)	
Start up time	5ms max	
Aging	< \pm 5ppm	
Phase jitter (12KHz - 20MHz)	1ps RMS max	
Period jitter (pk-pk)	<25ps max	

Dimensions



CONNECTION
Pin1 : Tri-state or NC
Pin2 : Ground
Pin3 : Output
Pin4 : Supply Voltage



VCXO (CMOS)

VX1490-4

Part Number Generator

VX1490-A 3 10 A - D 10 E - 010.000000 xxx
 0 1 2 3 4 5 6 7 8 9

0 : Type
VX1490-4

1 : Vcc
3 = +3.3v
5 = +5.0V

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

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

4 : Duty Cycle
blank = 40% - 60%

5 : Pulling range
C > ±50ppm
D > ±100ppm
E > ±150ppm

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

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

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

9 : Customized code
Note : factory use