

RVX2520R

The RVX2520R VCXO combines high frequency, low RMS phase jitter (1.0 ps typical, 12 kHz to 20 MHz) and tight frequency stability in a 2.5 x 2.0 mm SMD package. Available in hundreds of industry-standard frequencies from 8 to 1500 MHz for fast delivery and reduced inventory.

Features

- Fast sample turn around
- LVCMOS, LVPECL, or LVDS output options
- 1.0 ps typ. RMS phase jitter (12 kHz to 20 MHz)
- Wide frequency range

Applications

- Ethernet (10G/40G)
- Communications
- Base Stations
- DSL/ADSL
- Wi-Fi

2.5 x 2.0 mm



Standard Specifications

Parameter	Min.	Typ.	Max.	Unit	Test Condition / Description
Nominal frequency	8 8		200 1500	MHz MHz	LVCMOS LVPECL or LVDS
Temperature range	-40		85	°C	
Frequency stability			±35	ppm	Including frequency calibration, operating temperature range, supply and load variations, and 10 years aging at 25°C
Total pull range	±65			ppm	For a control voltage range of 0.3 to 3.0V
Supply voltage (V _{DD})		2.5 3.3		V V	With a tolerance of ±5% With a tolerance of ±10%
Supply current			30 65 40	mA mA mA	For LVCMOS For LVPECL For LVDS
RMS phase jitter		1.0	2.0	ps	Integrated from 12kHz to 20MHz

Model Outline and Recommended Pad Layout

TOP VIEW

SIDE VIEW

RECOMMENDED PAD LAYOUT - TOP VIEW

BOTTOM VIEW

PIN CONNECTIONS

1	V _c
2*	E/D or NC
3	GND
4	Output
5*	NC (LVCMOS) or Complementary Output (LVPECL/LVDS)
6	V _{DD}

* Depending on specifications

NOTE:
Outline unit is mm.