

RXO2520R

The RXO2520R XO 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 any frequency from 8 to 1500 MHz for fast delivery and reduced inventory.

Features

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

Applications

- Ethernet PHY (10G/25G)
- Datacentre/Enterprise/SAN
- WLAN, PCIe, Fibre Channel
- DSL/ADSL
- Wi-Fi

2.5 x 2.0 mm



Standard Specifications

Parameter	Min.	Typ.	Max.	Unit	Test Condition / Description
Nominal frequency	8		200	MHz	LVC MOS
	8		1500	MHz	LVPECL or LVDS
Temperature range	-40		85	°C	-40°C to 105°C also available.
Frequency stability			±35	ppm	Including frequency calibration, operating temperature range, supply and load variations, and 10 years aging at 25°C
Supply voltage (VDD)		2.5		V	With a tolerance of ±5%
		3.3		V	With a tolerance of ±10%
Supply current			30	mA	For LVC MOS
			65	mA	For LVPECL
			40	mA	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*	E/D or NC
2*	E/D or NC
3	GND
4	Output
5*	NC (LVC MOS) or Complementary Output (LVPECL/LVDS)
6	VDD

NOTE:
Outline unit is mm.

* Depending on specifications