

Ultra Small Differential Oscillator with no PLL/ multiplier

Features

- SMD package 3,5 x 2,5 x 1,0 mm
- **Ultra-Low RMS Jitter**
- Low current consumption type
- LVPECL/ LVDS or HCSL Output is available

Applications

High Speed Data Transfer, Optical Network, Ethernet

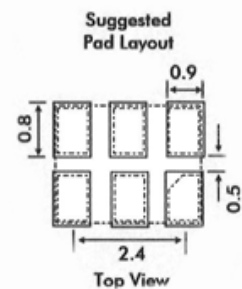
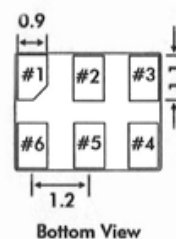
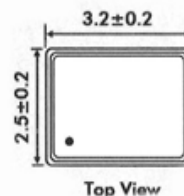
Specifications

Item	Symbol	Specifications	Conditions
Output frequency	f_0	13.5 MHz to 200 MHz	
Supply voltage	Vcc	+2.5V and +3.3V	
Current consumption	Icc	27 mA typ. at 100 MHz	Vcc= +3.3 V
Output Wave		LVPECL/ LVDS or HCSL	
Ultra Low RMS Jitter (12 KHz to 20MHz)		131 fsec typ. at 100 MHz	Vcc= +3.3 V

Superior Phase Noise (typical at 100 MHz, +3.3 V)

Frequency Offset (Hz)	Phase Noise (dBc/Hz)
10 Hz	-70 typ.
100 Hz	-101 typ.
1 k	-126 typ.
10 k	-139 typ.
100 k	-145 typ.

OUTLINE & DIMENSIONS



- Pad Connections
- 1 Tri-State
 - 2 No Connection
 - 3 Ground
 - 4 Output
 - 5 Complimentary
 - 6 Supply Voltage

*Please consult us for customized specifications.