3.3V LV-PECL XO
MODEL: RFX300

Discontinued

FEATURES
- 3.3V Operation
- High Performance
- Complementary Output

Applications Include
- SONET
- SDH
- ATM
- WAN
- Gb Ethernet



PRELIMINARY

Quote it!

• PART NUMBER SELECTION
Learn More - Internet Required

Part Number	Model Number	Frequency Stability	Operating Temperature	Frequency Range (MHz)
913-Frequency-xxxxx	**RFX300**	See table	See table	600.000 ~ 1250

• ELECTRICAL CHARACTERISTICS

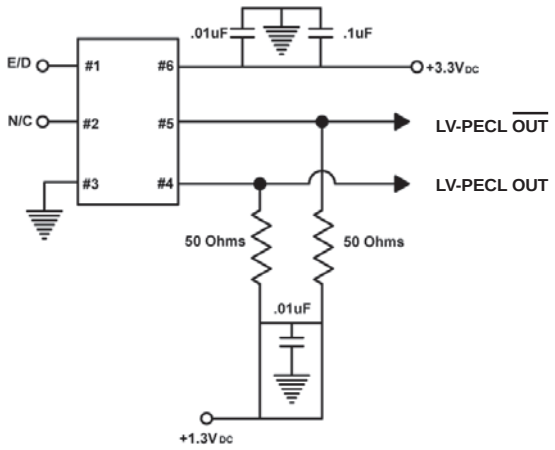
PARAMETERS	MAX (unless otherwise noted)
Frequency Range (Fo)	600.000 ~ 1250MHz
Stability (-20 ~ +70ºC)	±20PPM
(-40 ~ +85ºC)	±25PPM
Storage Temperature Range	-55ºC ~ +125ºC
Input Voltage (VDD)	3.3V ± 10%
Input Current (IDD)	40mA
Rise Time (20% ~ 80% Vp-p)	0.5nS
Fall Time (80% ~ 20% Vp-p)	0.5nS
Symmetry (50% Vp-p)	45/55 %
Output Voltage (VOL)	1.65 V
(VOH)	2.155 Min
PECL Skew (50% Vp-p)	125pS
Jitter	
RMS 12kHz to 20MHz	0.3pS Typ.
RMS 50kHz to 80MHz	0.8pS Typ.
RMS Period	2.8pS Typ.
Cycle-to-Cycle	23pS Typ
Output Disable Time	100nS Max
Output Enable Time	100nS Max

[1] Inclusive of 25ºC tolerance, operating temperature range, input voltage change, load change, aging, shock, and vibration.

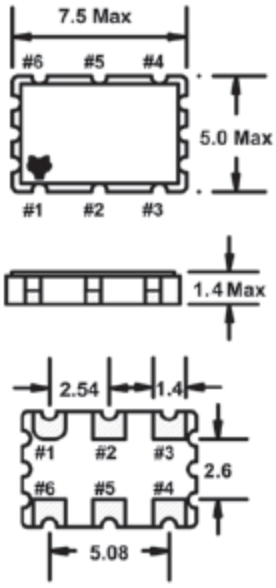
[2] An internal pullup resistor from pin 1 to pin 6 allows active output if pin 1 is left open

All specifications subject to change without notice. *Rev. 6/1/04*

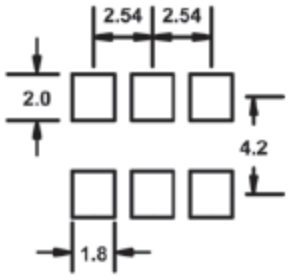
RFX300 Series Recommended Circuit



Learn more about:
Part Marking Identification
Tape and Reel Specification
Internet required



Recommended Solder Pad Layout



Pin Connections

# 1 E/D	# 4 Output 1
# 2 N/C	# 5 Output 2
# 3 GND	# 6 VDD

All dimensions are in millimeters.

• ENABLE / DISABLE FUNCTION

(Pin 1)	OUTPUT (Pin 4, pin 5)
OPEN [2]	ACTIVE
'1' Level VIH ≥ 2.0V	ACTIVE
'0' Level VIL ≤ 1.0V	High Z

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