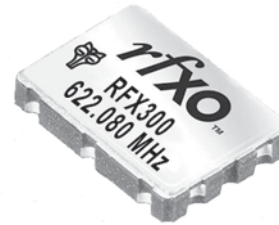


3.3V LV-PECL XO RFX300



FEATURES

- 3.3V Operation
- High Performance
- Complementary Output
- Pb Free

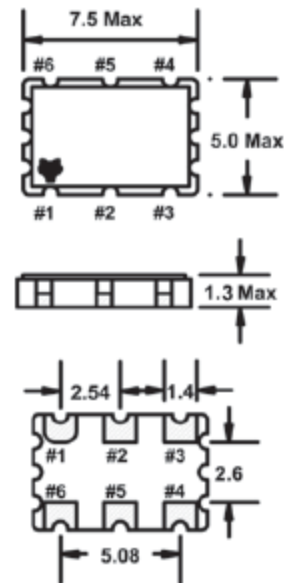
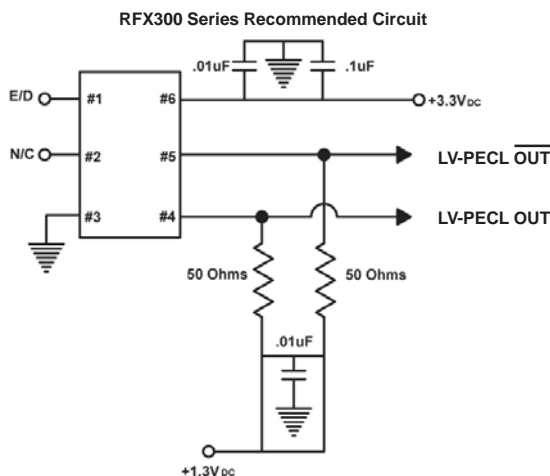
Applications include SONET / SDH / ATM / WAN / Gb Ethernet

PRELIMINARY

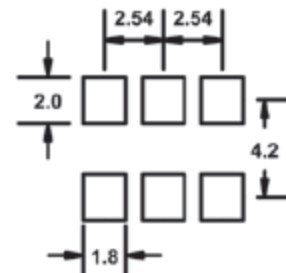
• ELECTRICAL CHARACTERISTICS	
PARAMETERS	MAX (unless otherwise noted)
Frequency Range (Fo)	600.000 ~ 1250MHz
Stability (-20 ~ +70°C)	±20PPM
(-40 ~ +85°C)	±25PPM
Storage Temperature Range	-55°C ~ +125°C
Input Voltage (VDD)	3.3V ± 10%
Input Current (IDD)	40mA
Rise Time (20% ~ 80% Vp-p)	0.5nS
Fall Time (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 25°C 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. 12/5/03



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 $V_{IH} \geq 2.0V$	ACTIVE
'0' Level $V_{IL} \leq 1.0V$	High Z

See page 60 for tape and reel specifications.