2.5V LVE-PECL VCXO
MODEL: RFV250

Discontinued

FEATURES

- 2.5V Operation
- High Perf[illegible]
- Complementary Output

Applications Include

- SONET
- ATM
- SDH
- WAN

PRELIMINARY

Quote !

• PART NUMBER SELECTION

Learn More - Internet Required

Part Number	Model Number	APR	Operating Temperature	Frequency Range (MHz)
681-Frequency-xxxxx	RFV250	±50 PPM	-40 ~ +85 ºC	600.000 ~ 1250

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

• ELECTRICAL CHARACTERISTICS

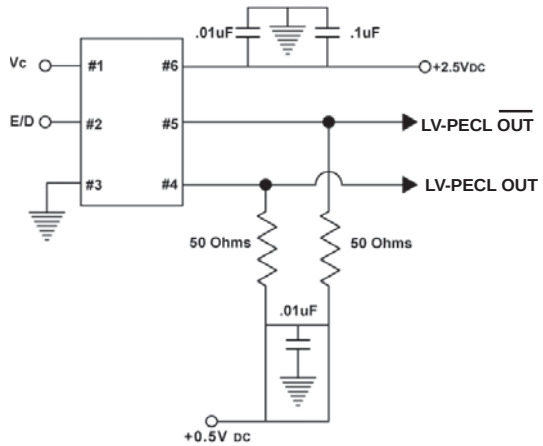
PARAMETERS	MAX (unless otherwise noted)
Frequency Range (Fo)	600.000 ~ 1250MHz
Absolute Pull Range (APR) Vc=1.25V±1.0V	±50 PPM
Temperature Range	
Operating (Topr)	-40ºC ~ +85ºC
Storage (Tstg)	-55ºC ~ +125ºC
Input Voltage (VDD)	2.5V ± 5%
Control Voltage (Vc)	1.25V ± 1.0V
Input Current (IDD)	32mA
Rise Time (20% ~ 80% Vp-p)	0.5nS
Fall Time (80% ~ 20% Vp-p)	0.5nS
Symmetry (50% Vp-p)	45/55 %
Output Voltage (VOL)	0.9 V
(VOH)	1.3 V Min
Linearity	± 10%
Modulation Bandwidth	>10kHz
PECL Skew (50% Vp-p)	125pS
Jitter	
RMS 12kHz to 20MHz	0.3pS Typ.
RMS 50kHz to 80MHz	0.8pS Typ.
RMS Period	2.6pS Typ.
Cycle-to-Cycle	19pS Typ.
Output Disable Time	100nS Max
Output Enable Time	100nS Max

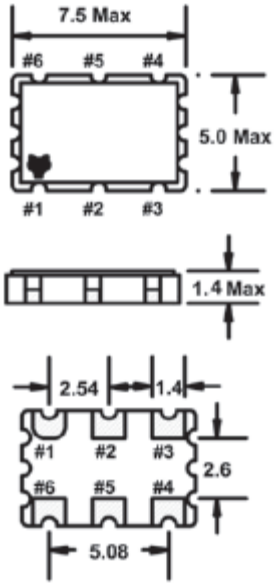
[1] Inclusive of 25ºC tolerance, operating temperature range, input voltage change, load change, aging, shock, and vibration.

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

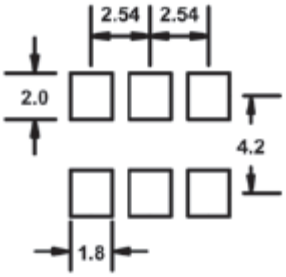
All specifications subject to change without notice. *Rev. 6/1/04*

RFV250 Series Recommended Circuit





Recommended Solder Pad Layout



Pin Connections

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

All dimensions are in millimeters.

• ENABLE / DISABLE FUNCTION

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