

14-PIN DIP PECL OSCILLATOR

F5L-4G

FEATURES

- 5.0V Operation
- PECL Output
- 10 KH Logic Output
- Complementary Output

OPTIONS

- Single-Ended Output
- Pullup/Down Internal Resistors
- Various Pin Connections
- -5.2V ECL Output

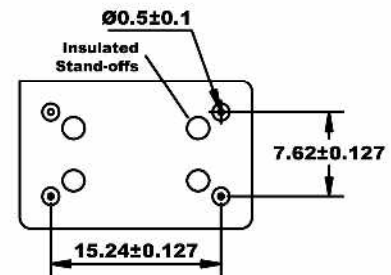
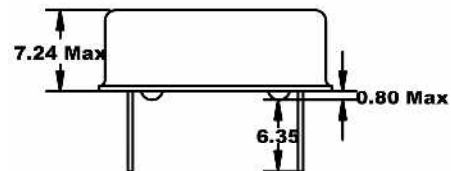
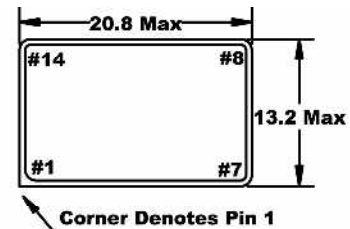


• MODEL NUMBER SELECTION			
Model Number	Frequency Stability ¹	Operating Temperature (°C)	Frequency Range (MHz)
F5L-4G	±100PPM	-10 ~ +70	30.000 ~ 200.000
F5L-4GR	±100PPM	-40 ~ +85	30.000 ~ 200.000
F6L-4G	±50PPM	-10 ~ +70	30.000 ~ 200.000
F6L-4GR	±50PPM	-40 ~ +85	30.000 ~ 200.000
F7L-4G	±25PPM	-10 ~ +70	30.000 ~ 200.000
F7L-4GR	±25PPM	-40 ~ +85	30.000 ~ 200.000
F8L-4G	±20PPM	-10 ~ +70	30.000 ~ 200.000

• ELECTRICAL CHARACTERISTICS	
PARAMETERS	MAX (unless otherwise noted)
Frequency Range (F _o)	30.000 ~ 200.000 MHz
Temperature Range	
Operating (T _{OPR})	-10°C ~ +70°C
Storage (T _{STG})	-55°C ~ +125°C
Supply Voltage (V _{EE})	5.0V ± 10%
Input Current (I _{DD})	
30.000 ~ 170.000 MHz	50mA
170.000+ ~ 200.000 MHz	60mA
Output Symmetry (50% V _{p-p} Level)	40% ~ 60%
Rise Time (20% ~ 80% V _{p-p}) (T _R)	
30.000 ~ 170.000 MHz	2.0nS
170.000+ ~ 200.000 MHz	1.5nS
Fall Time (80% ~ 20% V _{p-p}) (T _F)	
30.000 ~ 170.000 MHz	2.0nS
170.000+ ~ 200.000 MHz	1.5nS
Output Voltage (V _{OL})	+3.05V ~ +3.42V
(V _{OH})	+4.00V ~ +4.45V
Output Load	50 Ω
Overlap Time (50% V _{p-p} (Complementary Only))	0.5nS
Start-up Time (T _s)	10mS

¹ Inclusive of 25°C tolerance, operating temperature range, input voltage change, load change, aging, shock, and vibration.

See page 30 for mechanical specifications, test circuits, and output waveform.
All specifications subject to change without notice. Rev. 02/10/03



Pin Connection

- #1 Output 1 #8 Output 2
- #7 GND #14 +5.0V

All dimensions are in millimeters.