



# 3.3V TRI-STATE ENABLE/DISABLE OSCILLATORS

## MODEL: F5C-2E3



### FEATURES

- 3.3V Operation
- HCMOS Output
- Tri-State Enable/Disable
- 14-Pin DIP

### OPTIONS

- 8-Pin DIP Available (H5C-2E3)

# Discontinued



• PART NUMBER SELECTION <a href="#">Learn More</a> - Internet Required				
Part Number	Model Number	Frequency Stability <sup>1</sup>	Operating Temperature(°C)	Frequency Range (MHz)
148-Frequency-xxxxx	F5C-2E3	±100PPM	0 ~ +70	1.000~160.000
355-Frequency-xxxxx	F5C-2E3R	±100PPM	-40 ~ +85	1.000~160.000
328-Frequency-xxxxx	F6C-2E3	±50PPM	0 ~ +70	1.000~160.000
356-Frequency-xxxxx	F6C-2E3R	±50PPM	-40 ~ +85	1.000~160.000
329-Frequency-xxxxx	F7C-2E3	±25PPM	0 ~ +70	1.000~160.000
358-Frequency-xxxxx	F7C-2E3R	±25PPM	-40 ~ +85	1.000~125.000
567-Frequency-xxxxx	F8C-2E3	±20PPM	0 ~ +70	1.000~125.000

• ELECTRICAL CHARACTERISTICS	
PARAMETERS	MAX (unless otherwise noted)
Frequency Range (Fo)	1.000 ~ 160.000 MHz
Storage Temperature Range (Tstg)	-55°C ~ +125°C
Supply Voltage (VDD)	3.3V ± 10%
Input Current (IDD)	
1.000 ~ 23.999 MHz	15mA
24.000 ~ 49.999 MHz	20mA
50.000 ~ 69.999 MHz	40mA
70.000 ~ 125.000 MHz	45mA
125.000 ~ 160.000 MHz	60mA
Output Symmetry (50% VDD)	40% ~ 60%
Rise Time (10% ~ 90% VDD) (TR)	10 nS
Fall Time (90% ~ 10% VDD) (TF)	10 nS
Output Voltage (VOL)	10% VDD
(VOH)	90% VDD Min
Output Current (IOL)	8mA Min
(IOH)	-8mA Min
Output Load (HCMOS)	15pF
Start-up Time (Ts)	10mS
Output Enable/Disable Time <sup>2</sup>	100nS

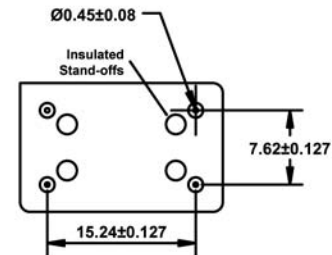
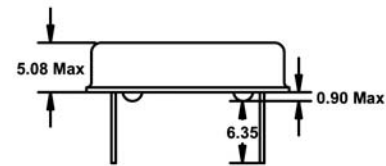
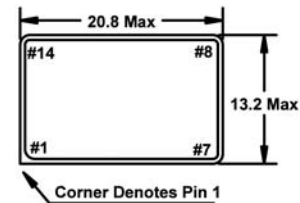
<sup>1</sup> Inclusive of 25°C tolerance, operating temperature range, input voltage change, load change, aging, shock, and vibration.

<sup>2</sup> An internal pullup resistor from pin 1 to VDD allows active output if pin 1 is left open.

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

Learn more about:  
[Part Marking Identification](#)  
[Mechanical Specification](#)

Internet required



**Pin Connections**  
 #1 E/D      #8 Output  
 #7 GND (Case)      #14 Vdd

All dimensions are in millimeters.

• ENABLE / DISABLE FUNCTION	
INH (Pin 1)	OUTPUT (Pin 8)
OPEN <sup>2</sup>	ACTIVE
'1' Level VIH ≥ 2.2 V	ACTIVE
'0' Level VIL ≤ 0.8 V	High Z