



5.0V HCMOS TRI-STATE ENABLE/DISABLE OSCILLATORS

MODEL: H5C-2E

FEATURES

- 5.0V Operationg
- HCMOS/TTL Output
- Tri-State Enable/Disable
- 8-Pin DIP

OPTIONS

- 14-Pin DIP Available (F5C-2E)



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

Internet required

• PART NUMBER SELECTION [Learn More](#) - Internet Required

Part Number	Model Number	Frequency Stability ¹	Operating Temperature (°C)	Frequency Range (MHz)
267-Frequency-xxxxx	H5C-2E	±100PPM	0 ~ +70	1.000 ~ 160.000
347-Frequency-xxxxx	H5C-2ER	±100PPM	-40 ~ +85	1.000 ~ 160.000
271-Frequency-xxxxx	H6C-2E	±50PPM	0 ~ +70	1.000 ~ 160.000
335-Frequency-xxxxx	H6C-2ER	±50PPM	-40 ~ +85	1.000 ~ 160.000
275-Frequency-xxxxx	H7C-2E	±25PPM	0 ~ +70	1.000 ~ 160.000
336-Frequency-xxxxx	H7C-2ER	±25PPM	-40 ~ +85	1.000 ~ 125.000
342-Frequency-xxxxx	H8C-2E	±20PPM	0 ~ +70	1.000 ~ 125.000

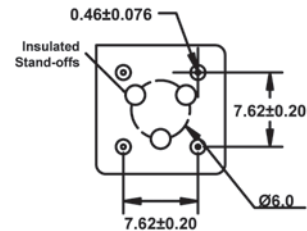
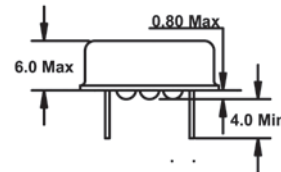
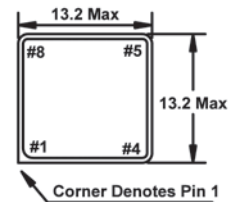
• ELECTRICAL CHARACTERISTICS

PARAMETERS	MAX (unless otherwise noted)
Frequency Range (Fo)	1.000 ~ 160.000 MHz
Storage Temperature Range (T _{STG})	-55°C ~ +125°C
Supply Voltage (V _{DD})	5.0V ± 10%
Input Current (I _{DD})	
1.000 ~ 40.000 MHz	40mA
40.000+ ~ 125.000 MHz	60mA
125.000+ ~ 160.000 MHz	100mA
Output Symmetry (50% V _{DD})	
1.000 ~ 50.000 MHz	45% ~ 55%
50.000+ ~ 160.000 MHz	40% ~ 60%
Rise Time (10% ~ 90% V _{DD}) (T _R)	
1.000 ~ 125.000 MHz	10 nS
125.000+ ~ 160.000 MHz	6 nS
Fall Time (90% ~ 10% V _{DD}) (T _F)	
1.000 ~ 125.000 MHz	10 nS
125.000+ ~ 160.000 MHz	6 nS
Output Voltage (V _{OL})	10% V _{DD}
(V _{OH})	90% V _{DD} Min
Output Current (I _{OL})	16mA Min
(I _{OH})	-16mA Min
Output Load	
TTL	10TTL
HCMOS	50pF
Start-up Time (T _s)	10mS
Output Enable/Disable Time ²	100nS

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 V_{DD} allows active output if pin 1 is left open.

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



Pin Connections

#1 E/D #5 Output
 #4 GND (Case) #8 Vdd

All dimensions are in millimeters.

• ENABLE / DISABLE FUNCTION

INH (Pin 1)	OUTPUT (Pin 5)
OPEN ²	ACTIVE
'1' Level V _{IH} ≥ 2.2 V	ACTIVE
'0' Level V _{IL} ≤ 0.8 V	High Z