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)

Discontinued

FASTFOX

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Learn more about:
Part Marking Identification
Mechanical Specification
Internet required

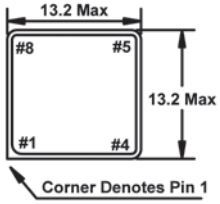
• PART NUMBER SELECTION Learn More - Internet Required

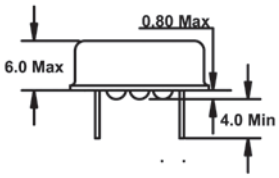
Part Number	Model Number	Frequency Stability[1]	Operating Temperature (°C)	Frequency Range (MHz)
267-Frequency-xxxxx	H5C-2E	±100PPM	0 ~ +70	1.000 ~ 160.000
347-Frequency-xxxxx	H5C-2ER	±100PPM	-40 ~ +85	1.000 ~ 160.000
271-Frequency-xxxxx	H6C-2E	±50PPM	0 ~ +70	1.000 ~ 160.000
335-Frequency-xxxxx	H6C-2ER	±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

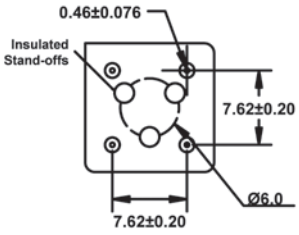
• ELECTRICAL CHARACTERISTICS

PARAMETERS	MAX (unless otherwise noted)
Frequency Range (Fo)	1.000 ~ 160.000 MHz
Storage Temperature Range (Tstg)	-55ºC ~ +125ºC
Supply Voltage (Vdd)	5.0V ± 10%
Input Current (Idd)	
1.000 ~ 40.000 MHz	40mA
40.000+ ~ 125.000 MHz	60mA
125.000+ ~ 160.000 MHz	100mA
Output Symmetry (50% Vdd)	
1.000 ~ 50.000 MHz	45% ~ 55%
50.000+ ~ 160.000 MHz	40% ~ 60%
Rise Time (10% ~ 90% Vdd) (Tr)	
1.000 ~ 125.000 MHz	10 nS
125.000+ ~ 160.000 MHz	6 nS
Fall Time (90% ~ 10% Vdd) (Tf)	
1.000 ~ 125.000 MHz	10 nS
125.000+ ~ 160.000 MHz	6 nS
Output Voltage (Vol)	10% Vdd
(Voh)	90% Vdd Min
Output Current (Iol)	16mA Min
(Ioh)	-16mA Min
Output Load	
TTL	10TTL
HCMOS	50pF
Start-up Time (Ts)	10mS
Output Enable/Disable Time [2]	100nS

[1] Inclusive of 25ºC tolerance, operating temperature range, input voltage change, load change, aging, shock, and vibration.
[2] 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*







Pin Connections

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

All dimensions are in millimeters.

• ENABLE / DISABLE FUNCTION

INH (Pin 1)	OUTPUT (Pin 5)
OPEN [2]	ACTIVE
'1' Level Vih ≥ 2.2 V	ACTIVE
'0' Level Vil ≤ 0.8 V	High Z

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H6C-2E3-25.000MHZ