



3.3V TRI-STATE ENABLE/DISABLE OSCILLATORS

MODEL: H5C-2E3



FEATURES

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

OPTIONS

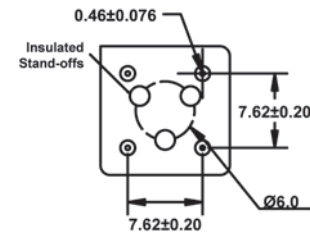
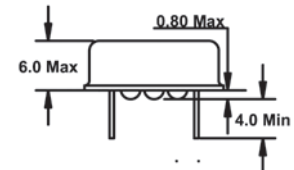
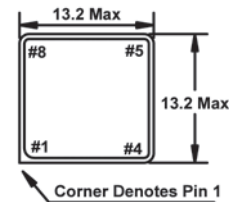
- 14-Pin DIP Available (F5C-2E3)

Discontinued

Quote it!

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

PART NUMBER SELECTION <small>Learn More - Internet Required</small>				
Part Number	Model Number	Frequency Stability ¹	Operating Temperature (°C)	Frequency Range (MHz)
350-Frequency-xxxxx	H5C-2E3	±100PPM	0 ~ +70	1.000~160.000
351-Frequency-xxxxx	H5C-2E3R	±100PPM	-40 ~ +85	1.000~160.000
272-Frequency-xxxxx	H6C-2E3	±50PPM	0 ~ +70	1.000~160.000
352-Frequency-xxxxx	H6C-2E3R	±50PPM	-40 ~ +85	1.000~160.000
354-Frequency-xxxxx	H7C-2E3	±25PPM	0 ~ +70	1.000~160.000
353-Frequency-xxxxx	H7C-2E3R	±25PPM	-40 ~ +85	1.000~125.000
566-Frequency-xxxxx	H8C-2E3	±20PPM	0 ~ +70	1.000~125.000



Pin Connections
 #1 E/D #5 Output
 #4 GND (Case) #8 V_{DD}

All dimensions are in millimeters.

ELECTRICAL CHARACTERISTICS	
PARAMETERS	MAX (unless otherwise noted)
Frequency Range (F ₀)	1.000 ~ 160.000 MHz
Storage Temperature Range (T _{STG})	-55°C ~ +125°C
Supply Voltage (V _{DD})	3.3V ± 10%
Input Current (I _{DD})	
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% V _{DD})	40% ~ 60%
Rise Time (10% ~ 90% V _{DD}) (T _R)	10 nS
Fall Time (90% ~ 10% V _{DD}) (T _F)	10 nS
Output Voltage (V _{OL})	10% V _{DD}
(V _{OH})	90% V _{DD} Min
Output Current (I _{OL})	8mA Min
(I _{OH})	-8mA Min
Output Load (HCMOS)	15pF
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

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