

HCMOS 7.5x5mm 3.3V Oscillator



Model:FXO-HC73 SERIES

RoHS Compliant / Pb Free

Rev. 9/6/2006 Preliminary

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http://www.foxonline.com/need_a_sample.htm**Part Number****768-Frequency-xxxxx****MODEL SELECTION GUIDE****FXO-HC730R-106.250000**

H = HCMOS

C = Ceramic

7 = 7x5mm

3 = 3.3V

Frequency

Blank = -20~+70°C

R = -40~+85°C

0 = ±100PPM

5 = ±50PPM

6 = ±25PPM

8 = ±20PPM (-20~+70°C only)

• ELECTRICAL CHARACTERISTICS

PARAMETERS	MAX (unless otherwise noted)
Frequency Range(Fo)	1.000 ~ 250.000 MHz
Frequency Stability ¹	See above table
Storage Temperature Range (T _{STG})	-55°C ~ +125°C
Supply Voltage (V _{DD})	3.3V ± 5%
Input Current (I _{DD})	1.000 ~ 50.000 40mA 50.000+ ~ 250.000 60mA
Output Symmetry (50% V _{DD} Level)	45% ~ 55%
Rise Time (T _R) (10% ~ 90% V _{DD})	1.000 ~ 150.000 3nS (20% ~ 80% V _{DD}) 150.000+ ~ 250.000
Fall Time (T _F) (90% ~ 10% V _{DD})	1.000 ~ 150.000 3nS (80% ~ 20% V _{DD}) 150.000+ ~ 250.000
Output Voltage (V _{OL})	1.000 ~ 150.000 10% V _{DD} 150.000+ ~ 250.000 20% V _{DD}
(V _{OH})	1.000 ~ 150.000 90% V _{DD} MIN 150.000+ ~ 250.000 80% V _{DD} MIN
Output Load (HCMOS)	15pF
Start-up Time (T _s)	10mS
Output Enable / Disable Time ²	100nS
Maximum Soldering Temp / Time	260°C / 10 Seconds
Moisture Sensitivity Level (MSL)	1
Termination Finish	Au

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

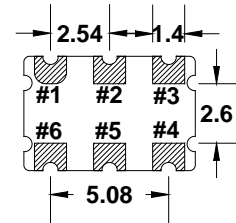
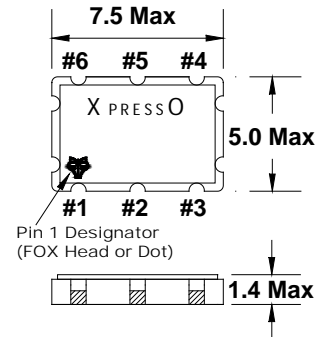
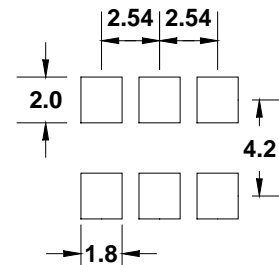
² An internal pullup resistor from pin 1 to pin 6 allows active output if pin 1 is left open.

³ A complementary output version with output 2 on pin 5 is available.

Note: A 0.01μF bypass capacitor should be placed between V_{DD} (Pin 6) and GND (Pin 3) to minimize power supply line noise.

- If you have specific jitter or phase noise requirements please contact Fox Technical Support for availability.

- The above specifications, having been carefully prepared and checked, is believed to be accurate at the time of publication; however, no responsibility is assumed by Fox Electronics for inaccuracies.

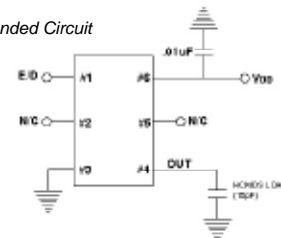
1-888-Xpresso**Recommended Solder Pad Layout**

All dimensions are in millimeters.

Actual Marking Depicted

Pin Connections

#1) E/D	#4) Out
#2) NC	#5) NC ³
#3) GND	#6) V _{DD}

Recommended Circuit**• ENABLE / DISABLE FUNCTION²**

(Pin 1)	OUTPUT (Pin 4)
OPEN	ACTIVE
'1' Level V _{IH} ≥ 70% V _{DD}	ACTIVE
'0' Level V _{IL} ≤ 30% V _{DD}	High Z

Patent Numbers:

US 6,664,860; US 5,960,403; US 5,952,890; US 5,960,405; US 6,188,290;
 Foreign Patents: R.S.A. 98/0866, R.O.C. 120851; Singapore 67081, 67082; EP 0958652
 China ZL 98802217.6, Malaysia MY-118540-A, Philippines 1-1998-000245
 US and Foreign Patents Pending
 XPRESSO® Fox Electronics

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Low Cost, Low Jitter, Fast Delivery

1-888-Xpresso



• TAPE SPECIFICATIONS (millimeters)							
MODEL	A	B	C	D	E	F	STD Reel QTY
FXO-HC73	Ø1.5	4.0	8.0	7.5	16.0	2.15	2,000

• REEL SPECIFICATIONS (millimeters)							
MODEL	G	H	I	J	K	L	M
FXO-HC73	2.0	Ø13	Ø21	Ø80	Ø255	17.5	2.0

