LVE-PECL 7x5mm 2.5V Oscillator

F4620 SERIES | **RoHS Compliant / Pb Free** | **Rev. 3/24/2009**

http://www.foxonline.com/need_a_sample.htm

Need a Sample®

FEATURES

- 2.5V Operation
- LV-PECL Output
- Complementary Outputs
- Standby Function
- Tape and Reel (2,000 pcs. STD)

XpressO® Equivalent
FXO-PC72
Why XpressO?
Lower Cost, Faster Delivery, Low Jitter!

• PART NUMBER SELECTION

Learn More - Internet Required

Part Number	Model Number	Frequency Stability[1]	Operating Temperature (ºC)	Frequency Range (MHz)
359-Frequency-xxxxx	**F4620**	±100PPM	-10 ~ +70	40.000 ~ 280.000
729-Frequency-xxxxx	**F4620R**	±100PPM	-40 ~ +85	40.000 ~ 280.000
360-Frequency-xxxxx	**F4625**	±50PPM	-10 ~ +70	40.000 ~ 280.000
730-Frequency-xxxxx	**F4625R**	±50PPM	-40 ~ +85	40.000 ~ 280.000
720-Frequency-xxxxx	**F4626**	±25PPM*	-10 ~ +70	40.000 ~ 280.000
731-Frequency-xxxxx	**F4626R**	±25PPM*	-40 ~ +85	40.000 ~ 170.000

• ELECTRICAL CHARACTERISTICS

PARAMETERS	MAX (unless otherwise noted)
Frequency Range (Fo)	40.000 ~ 280.000 MHz
Storage Temperature Range (Tstg)	-55ºC ~ +125ºC
Supply Voltage (VDD)	2.5V ± 5%
Input Current (IDD)	88mA
Output Symmetry (50% Vp-p Level)	
40.000 MHz ~ 170.000 MHz	45% ~ 55%
170.000* Mhz ~ 280.000 MHz	40% ~ 60%
Rise Time (TR) (20% ~ 80% Vp-p)	1nS
Fall Time (TF)(80% ~ 20% Vp-p)	1nS
Output Voltage (VOL)	1.195V
(VOH)	1.415 V Min
Standby Current	30µA
Output Load	See Recommended Circuit
Start-up Time (Ts)	10mS
Output Disable Time	200nS
Output Enable Time	10mS
Jitter	
12kHz ~ 20MHz	0.3pS Typ.
RMS Period	2.5pS Typ.
Cycle-to-Cycle	20pS Typ.

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

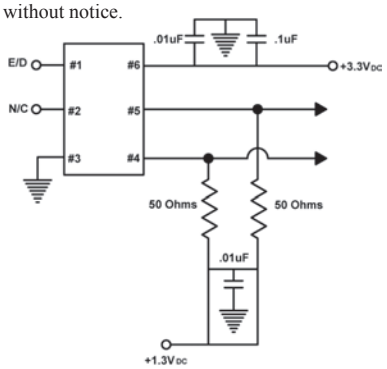
[2] An internal pullup resistor from pin 1 to pin 6 allows active output if pin 1 is left open.

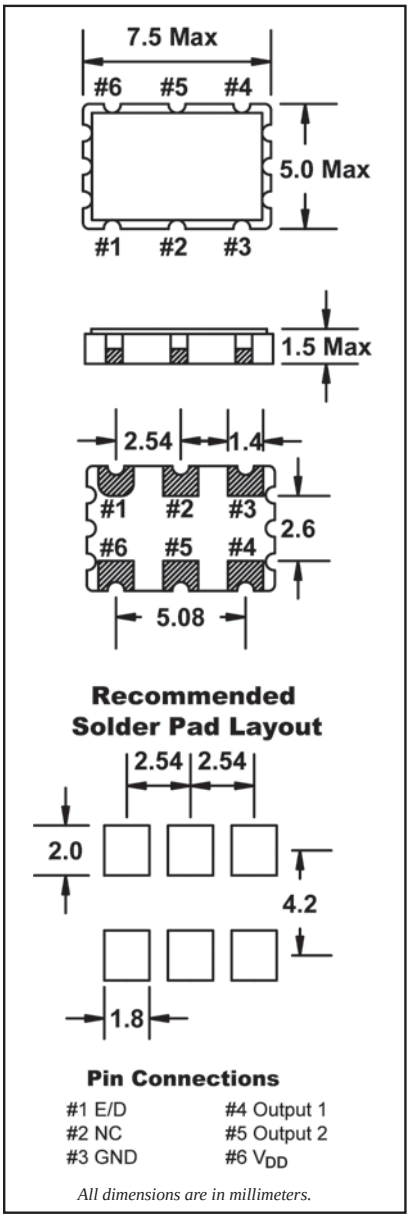
Note: A 0.01µF bypass capacitor should be placed between VDD (Pin 6) and GND (Pin 3) to minimize power supply line noise.

Drawing is for reference to critical specifications defined by size measurements.

Certain non-critical visual attributes, such as side castellations, reference pin shape, etc. may vary.

All specifications subject to change without notice.





All dimensions are in millimeters.

• ENABLE / DISABLE FUNCTION[2]

(Pin 1)	OUTPUT (Pin 4)	OUTPUT (Pin 5)
OPEN[2]	ACTIVE	ACTIVE
'1' Level VIH ≥ 70% VDD	ACTIVE	ACTIVE
'0' Level VIL ≤ 30% VDD	High Z	High Z

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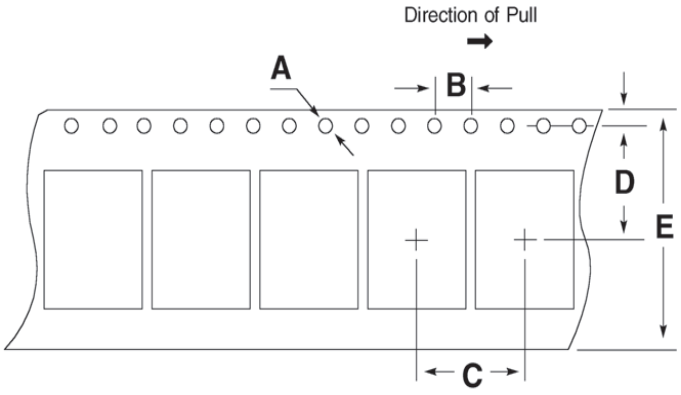
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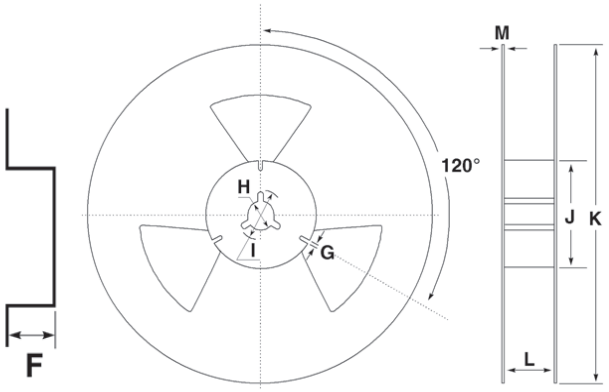
• TAPE SPECIFICATIONS (millimeters)

MODEL	A	B	C	D	E	F	STD Reel QTY
F4620 Series	∅1.5	4.0	8.0	7.5	16.0	2.15	2,000

• REEL SPECIFICATIONS (millimeters)

MODEL	G	H	I	J	K	L	M
F4620 Series	2.0	∅13	∅21	∅80	∅255	17.5	2.0





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