

HCMOS, 7.5x5mm, 2.5V, SMD Oscillator



Model: F4400 SERIES

RoHS Compliant / Pb Free

Rev. 2/25/2008

Page 1 of 2

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

Need a
Sample®

FEATURES

- 2.5V Operation
- HCMOS Output
- Low Power Consumption
- Standby Function
- Tape and Reel (2,000 pcs. STD)

Xpresso® Equivalent
FXO-HC72

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

Part Number	Model Number	Frequency Stability ¹	Operating Temperature (°C)	Frequency Range (MHz)
521-Frequency-xxxxx	F4400	±100PPM	-10 ~ +70	1.800 ~ 125.000
522-Frequency-xxxxx	F4400R	±100PPM	-40 ~ +85	1.800 ~ 125.000
523-Frequency-xxxxx	F4405	±50PPM	-10 ~ +70	1.800 ~ 125.000
524-Frequency-xxxxx	F4405R	±50PPM	-40 ~ +85	1.800 ~ 125.000
525-Frequency-xxxxx	F4406	±25PPM	-10 ~ +70	1.800 ~ 65.000
526-Frequency-xxxxx	F4406R	±25PPM*	-40 ~ +85	1.800 ~ 50.000
527-Frequency-xxxxx	F4408	±20PPM*	-10 ~ +70	1.800 ~ 50.000

• ELECTRICAL CHARACTERISTICS

PARAMETERS	MAX (unless otherwise noted)
Frequency Range (Fo)	1.800 ~ 125.000 MHz
Storage Temperature Range (T _{STG})	-55°C ~ +125°C
Supply Voltage (V _{DD})	2.5V ± 5%
Input Current (I _{DD})	
1.800 ~ 32.100 MHz	10mA
32.100+ ~ 50.000 MHz	12mA
50.000+ ~ 125.000 MHz	60mA
Output Symmetry (50% V _{DD})	45% ~ 55%
Rise Time (10% ~ 90% V _{DD}) (T _r)	5nS
Fall Time (90% ~ 10% V _{DD}) (T _f)	5nS
Output Voltage (V _{OL})	10% V _{DD}
(V _{OH})	90% V _{DD} Min
Output Current (I _{OL})	4mA Min
(I _{OH})	4mA Min
Output Load (HCMOS)	15pF
Standby Current	10μA
Start-up Time (T _s)	10mS
Output Disable Time ²	150nS
Output Enable Time ²	10mS

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

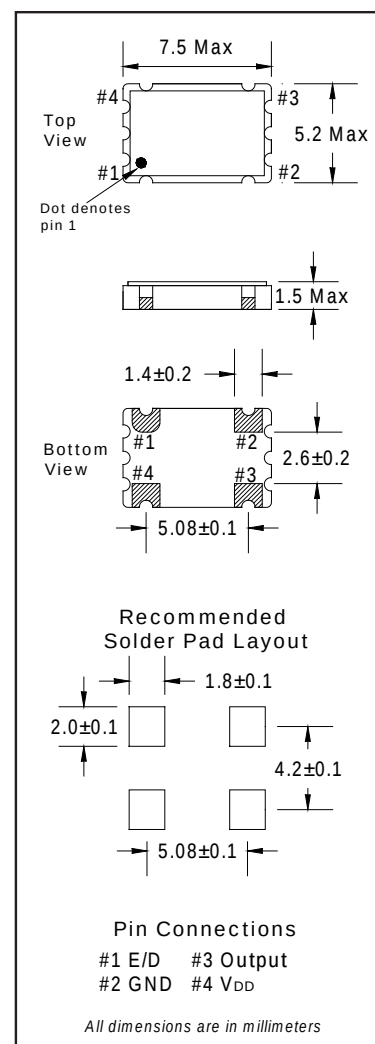
² An internal pullup resistor from pin 1 to pin 4 allows active output if pin 1 is left open.

Note: A 0.01μF bypass capacitor should be placed between V_{DD} (Pin 4) and GND (Pin 2) 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.



• ENABLE / DISABLE FUNCTION

INH (Pin 1)	OUTPUT (Pin 3)
OPEN ²	ACTIVE
'1' Level V _{IH} ≥ 70% V _{DD}	ACTIVE
'0' Level V _{IL} ≤ 30% V _{DD}	High Z

HCMOS, 7.5x5mm, 2.5V, SMD Oscillator



Model: F4400 SERIES

RoHS Compliant / Pb Free

Rev. 2/25/2008

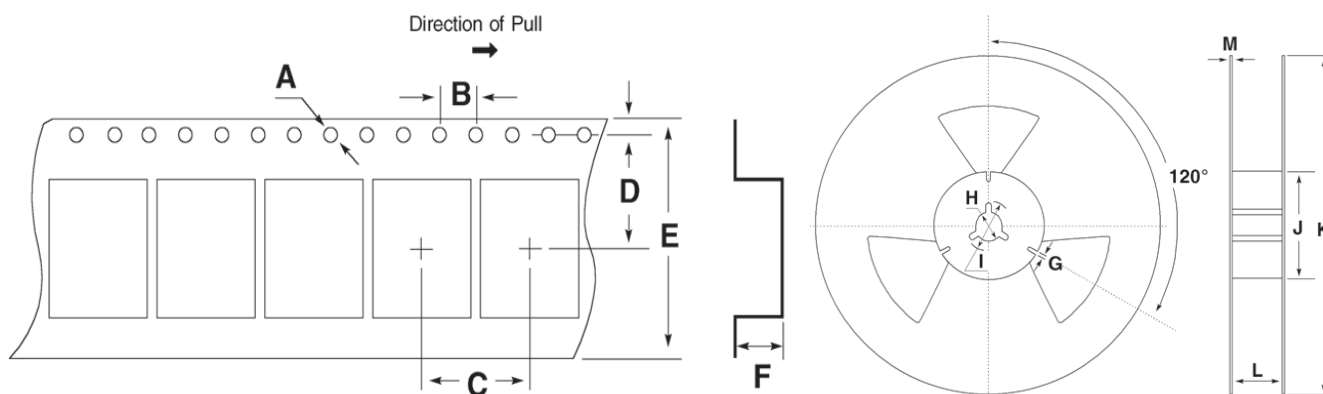
Page 1 of 2

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



• TAPE SPECIFICATIONS (millimeters)							
MODEL	A	B	C	D	E	F	STD Reel QTY
F4400 Series	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
F4400 Series	2.0	Ø13	Ø21	Ø80	Ø255	17.5	2.0



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Fox:

[F4405-125.00MHz](#) [F4400-100.00MHZ](#)