2.5V HCMOS SMD OSCILLATOR WITH STANDBY
MODEL: F4400 SERIES

FEATURES

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

Quote it!

• PART NUMBER SELECTION

Learn More - Internet Required

Part Number	Model Number	Frequency Stability[1]	Operating Temperature (ºC)	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 (Tstg)	-55ºC ~ +125ºC
Supply Voltage (VDD)	2.5V ± 5%
Input Current (IDD)	
1.800 ~ 32.100 MHz	10mA
32.100+ ~ 50.000 MHz	12mA
50.000+ ~ 125.000 MHz	60mA
Output Symmetry (50% VDD)	45% ~ 55%
Rise Time (10% ~ 90% VDD) (TR)	5nS
Fall Time (90% ~ 10% VDD) (TF)	5nS
Output Voltage (VOL)	10% VDD
(VOH)	90% VDD Min
Output Current (IOL)	4mA Min
(IOH)	4mA Min
Output Load (HCMOS)	15pF
Standby Current	10µA
Start-up Time (Ts)	10mS
Output Disable Time [2]	150nS
Output Enable Time [2]	10mS

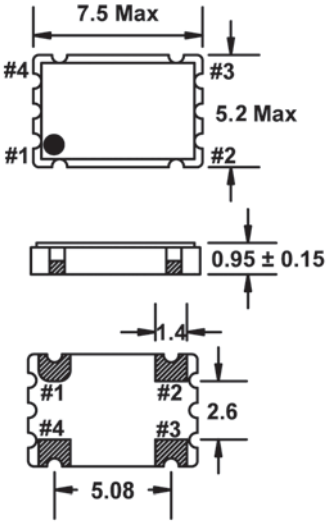
[1] Inclusive of 25ºC tolerance, operating temperature range, input voltage change, load change, aging, shock, and vibration. *Excludes Shock/Vibration

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

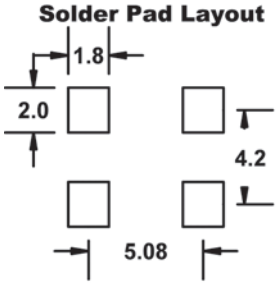
Note: A 0.01µF bypass capacitor should be placed between VDD (Pin 4) and GND (Pin 2) to minimize power supply line noise.

All specifications subject to change without notice. *Rev. 6/1/04*

Learn more about:
Part Marking Identification
Tape and Reel Specification
Mechanical Specification
Internet required



Recommended Solder Pad Layout



Pin Connections

#1 E/D #3 Output
#2 GND #4 VDD

All dimensions are in millimeters.

• ENABLE / DISABLE FUNCTION	
$\overline{INH}$ (Pin 1)	OUTPUT (Pin 3)
OPEN [2]	ACTIVE
'1' Level VIH ≥ 70% VDD	ACTIVE
'0' Level VIL ≤ 30% VDD	High Z