3.3V HCMOS CERAMIC SMD OSCILLATOR WITH STANDBY
MODEL: F4200 SERIES

FEATURES
- 3.3V Operation
- HCMOS Output
- Standby Function
- Tape and Reel (2,000 pcs. STD)

OPTIONS
- 5.0V (F3400) Version Available



Quote it!

• PART NUMBER SELECTION
Learn More - Internet Required

Part Number	Model Number	Frequency Stability[1]	Operating Temperature (ºC)	Frequency Range (MHz)
129-Frequency-xxxxx	**F4200**	±100PPM	-10 ~ +70	1.544 ~ 50.000
130-Frequency-xxxxx	**F4200R**	±100PPM	-40 ~ +85	1.544 ~ 50.000
131-Frequency-xxxxx	**F4205**	±50PPM	-10 ~ +70	1.544 ~ 50.000
132-Frequency-xxxxx	**F4205R**	±50PPM	-40 ~ +85	1.544 ~ 50.000
133-Frequency-xxxxx	**F4206**	±25PPM	-10 ~ +70	1.544 ~ 50.000
506-Frequency-xxxxx	**F4206R**	±25PPM*	-40 ~ +85	1.544 ~ 50.000
134-Frequency-xxxxx	**F4208**	±20PPM*	-10 ~ +70	1.544 ~ 50.000

• ELECTRICAL CHARACTERISTICS

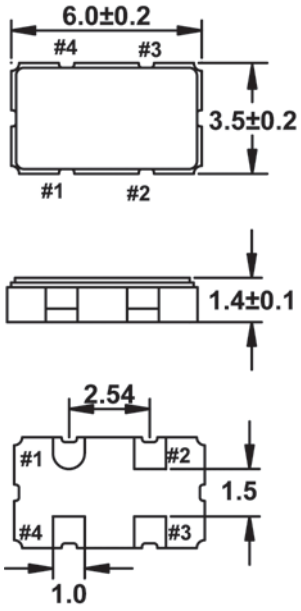
PARAMETERS	MAX (unless otherwise noted)
Frequency Range (Fo)	1.544 ~ 50.000 MHz
Storage Temperature Range (Tstg)	-55ºC ~ +125ºC
Supply Voltage (VDD)	3.3V ± 10%
Input Current (IDD)	20mA
Output Symmetry (50% VDD)	40% ~ 60%
Rise Time (10% ~ 90% VDD) (TR)	6nS
Fall Time (90% ~ 10% VDD) (TF)	6nS
Output Voltage (VOL) (VOH)	10% VDD 90% VDD Min
Output Current (IOL) (IOH)	2mA Min -2mA 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

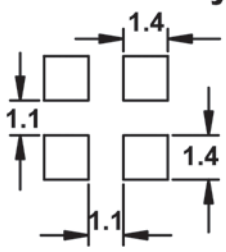
[2] An internal pullup resistor from pin 1 to pin 4 allows active output if pin 1 is left open.

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 V DD

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

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