

FOX 3.3V HCMOS CERAMIC SMD OSCILLATOR WITH STANDBY MODEL: F530L SERIES



FEATURES

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

OPTIONS

- 5.0V (F550L) Version Available



• PART NUMBER SELECTION <small>Learn More - Internet Required</small>				
Part Number	Model Number	Frequency Stability ¹	Operating Temperature (°C)	Frequency Range (MHz)
474-Frequency-xxxxx	F530L	±100PPM	-10 ~ +70	1.544 ~ 155.520
475-Frequency-xxxxx	F530LR	±100PPM	-40 ~ +85	1.544 ~ 155.520
476-Frequency-xxxxx	F535L	±50PPM	-10 ~ +70	1.544 ~ 155.520
550-Frequency-xxxxx	F535LR	±50PPM	-40 ~ +85	1.544 ~ 155.520
492-Frequency-xxxxx	F536L	±25PPM	-10 ~ +70	1.544 ~ 155.520
636-Frequency-xxxxx	F536LR	±25PPM*	-40 ~ +85	1.544 ~ 155.520
546-Frequency-xxxxx	F538L	±20PPM*	-10 ~ +70	1.544 ~ 77.760

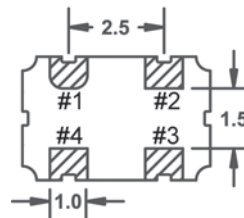
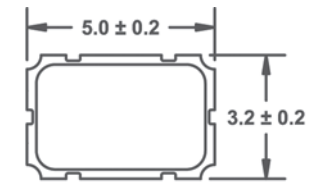
• ELECTRICAL CHARACTERISTICS	
PARAMETERS	MAX (unless otherwise noted)
Frequency Range (Fo)	1.544 ~ 155.520 MHz
Storage Temperature Range (TSTG)	-55°C ~ +125°C
Supply Voltage (VDD)	3.3V ± 10%
Input Current (IDD)	
1.544 ~ 32.000 MHz	15mA
32.000+ ~ 50.000 MHz	20mA
50.000+ ~ 67.000 MHz	25mA
67.000+ ~ 155.520 MHz	40mA
Output Symmetry (50% VDD)	40% ~ 60%
Rise Time (10% ~ 90% VDD) (TR)	7nS
Fall Time (90% ~ 10% VDD) (TF)	7nS
Output Voltage (VOL)	10% VDD
(VOH)	90% VDD Min
Output Current (IOL)	2mA Min
(IOH)	-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 25°C tolerance, operating temperature range, input voltage change, load change, aging, shock, and vibration. *Excludes Shock/Vibration

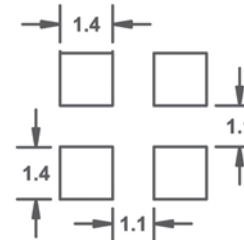
² An internal pullup resistor from pin 1 to pin 4 allows active output if pin 1 is left open.

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
- #2 GND
- #3 Output
- #4 V DD

All dimensions are in millimeters.

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