

# HCMOS 5x3.2mm 5.0V SMD Oscillator



Model: F550L SERIES

RoHS Compliant / Pb Free

Rev. 7/23/2007

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## FEATURES

- 5.0V Operation
- HCMOS Output
- Tape and Reel (2,000 pcs. STD)

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

Part Number	Model Number	Frequency Stability <sup>1</sup>	Operating Temperature (°C)	Frequency Range (MHz)
477-Frequency-xxxxx	F550L	±100PPM	-10 ~ +70	1.800 ~ 50.000
478-Frequency-xxxxx	F550LR	±100PPM	-40 ~ +85	1.800 ~ 50.000
479-Frequency-xxxxx	F555L	±50PPM	-10 ~ +70	1.800 ~ 50.000
675-Frequency-xxxxx	F555LR	±50PPM	-40 ~ +85	1.800 ~ 50.000
494-Frequency-xxxxx	F556L	±25PPM	-10 ~ +70	1.800 ~ 50.000
608-Frequency-xxxxx	F558L	±20PPM*	-10 ~ +70	1.800 ~ 50.000

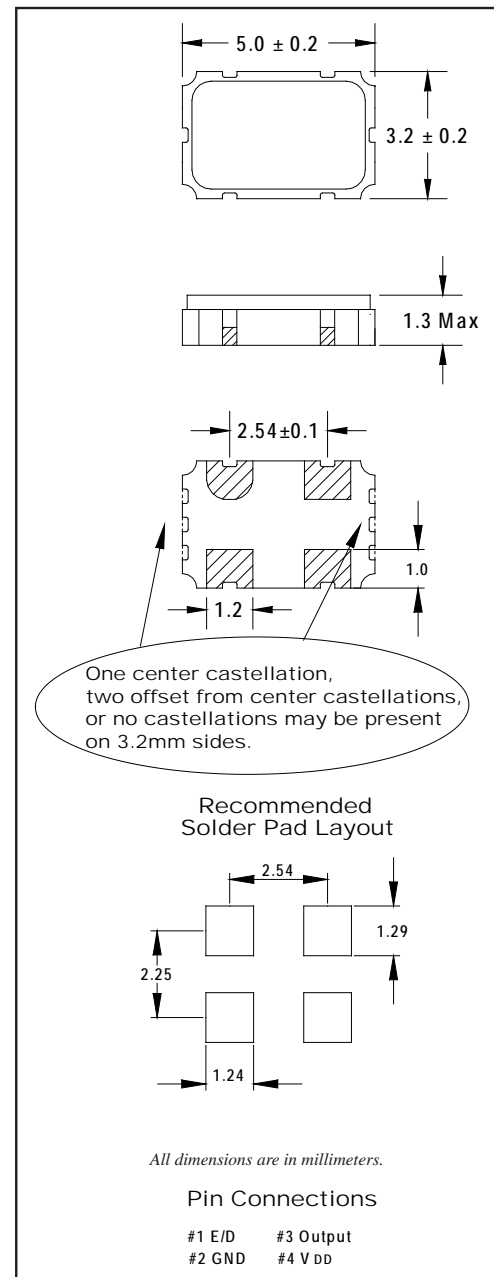
## • ELECTRICAL CHARACTERISTICS

PARAMETERS	MAX (unless otherwise noted)
Frequency Range (Fo)	1.800 ~ 50.000 MHz
Storage Temperature Range (T <sub>STG</sub> )	-55°C ~ +125°C
Supply Voltage (V <sub>DD</sub> )	5.0V ± 5%
Input Current (I <sub>DD</sub> )	
1.800 ~ 50.000 MHz	35mA
Output Symmetry (50% V <sub>DD</sub> )	40% ~ 60%
Rise Time (10% ~ 90% V <sub>DD</sub> ) (T <sub>R</sub> )	10nS
Fall Time (90% ~ 10% V <sub>DD</sub> ) (T <sub>F</sub> )	10nS
Output Voltage (V <sub>OL</sub> )	10% V <sub>DD</sub>
(V <sub>OH</sub> )	90% V <sub>DD</sub> Min
Output Current (I <sub>OL</sub> )	4mA Min
(I <sub>OH</sub> )	4mA Min
Output Load (HCMOS)	15pF
Start-up Time (T <sub>S</sub> )	10mS
Output Disable Time <sup>2</sup>	100nS
Output Enable Time <sup>2</sup>	100nS

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

<sup>2</sup> 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.



## • ENABLE / DISABLE FUNCTION

INH (Pin 1)	OUTPUT (Pin 3)
OPEN <sup>2</sup>	ACTIVE
'1' Level V <sub>IH</sub> ≥ 70% V <sub>DD</sub>	ACTIVE
'0' Level V <sub>IL</sub> ≤ 30% V <sub>DD</sub>	High Z

# HCMOS 5x3.2mm 2.5V SMD Oscillator



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## • TAPE SPECIFICATIONS (millimeters)

MODEL	A	B	C	D	E	F	STD Reel QTY
F550L Series	Ø1.5	4.0	8.0	7.5	16.0	2.5	2,000

## • REEL SPECIFICATIONS (millimeters)

MODEL	G	H	I	J	K	L	M
F550L Series	2.0	Ø13	Ø21	Ø80	Ø250	13.5	2.0

