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[1]	Operating Temperature (ºC)	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

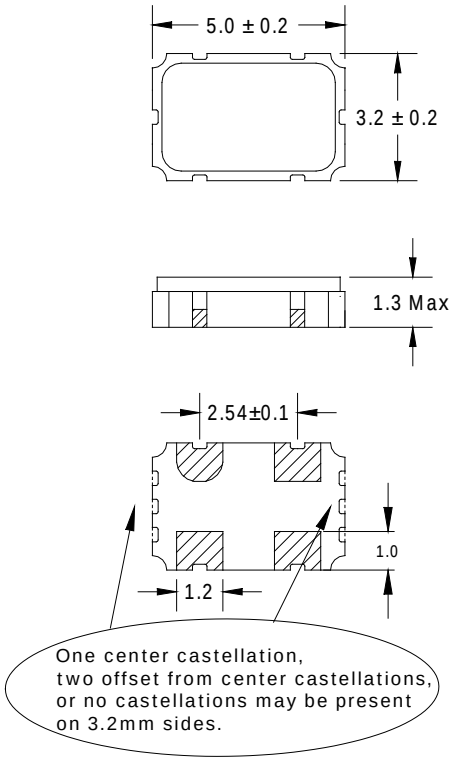
• ELECTRICAL CHARACTERISTICS

PARAMETERS	MAX (unless otherwise noted)
Frequency Range (FO)	1.800 ~ 50.000 MHz
Storage Temperature Range (TSTG)	-55ºC ~ +125ºC
Supply Voltage (VDD)	5.0V ± 5%
Input Current (IDD) 1.800 ~ 50.000 MHz	 35mA
Output Symmetry (50% VDD)	40% ~ 60%
Rise Time (10% ~ 90% VDD) (TR)	10nS
Fall Time (90% ~ 10% VDD) (TF)	10nS
Output Voltage (VOL) (VOH)	10% VDD 90% VDD Min
Output Current (IOL) (IOH)	4mA Min 4mA Min
Output Load (HCMOS)	15pF
Start-up Time (TS)	10mS
Output Disable Time [2]	100nS
Output Enable Time [2]	100nS

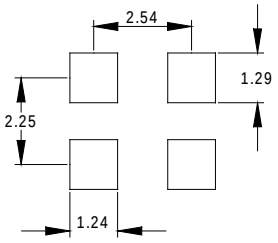
[1] Inclusive of 25ºC tolerance, operating temperature range, input voltage change, load change, aging, shock, and vibration. *Excludes Shock/Vibration

[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.



Recommended Solder Pad Layout



All dimensions are in millimeters.

Pin Connections

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

• 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

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HCMOS 5x3.2mm 2.5V SMD Oscillator

Model: F550L SERIES **RoHS Compliant / Pb Free** **Rev. 7/23/2007**

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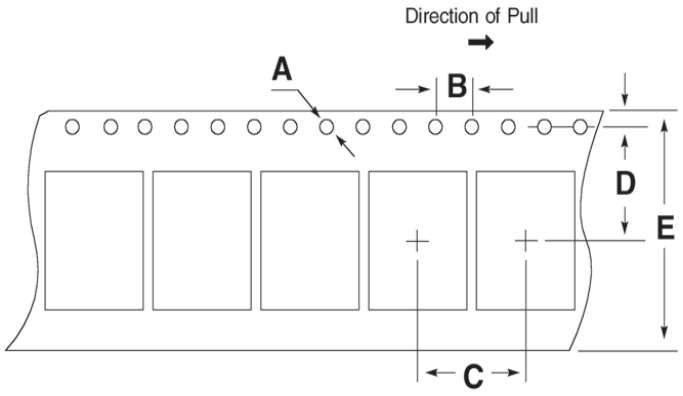
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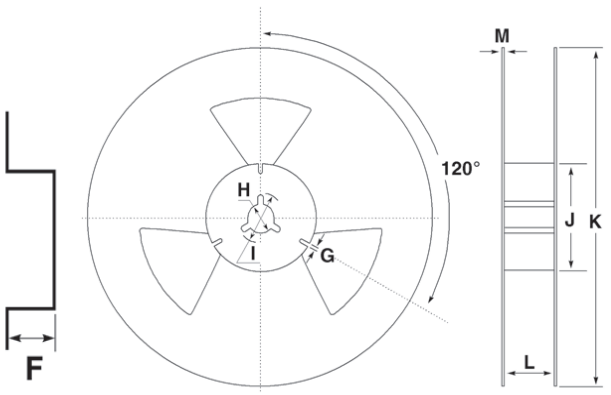
• TAPE SPECIFICATIONS (millimeters)

MODEL	A	B	C	D	E	F	STD Reel QTY
F550L Series	∅1.5	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	∅13	∅21	∅80	∅250	13.5	2.0





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