

HCMOS 5x3.2mm 3.3V SMD Oscillator

Low Current



Model: F530LA SERIES

RoHS Compliant / Pb Free

Rev. 7/23/2007

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FEATURES

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

OPTIONS

- 5.0V (F550L) Version Available

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

Part Number	Model Number	Frequency Stability ¹	Operating Temperature (°C)	Frequency Range (MHz)
474A-Frequency-xxxxx	F530LA	±100PPM	-10 ~ +70	1.800 ~ 50.000
475A-Frequency-xxxxx	F530LAR	±100PPM	-40 ~ +85	1.800 ~ 50.000
476A-Frequency-xxxxx	F535LA	±50PPM	-10 ~ +70	1.800 ~ 50.000
550A-Frequency-xxxxx	F535LAR	±50PPM	-40 ~ +85	1.800 ~ 50.000
492A-Frequency-xxxxx	F536LA	±25PPM	-10 ~ +70	1.800 ~ 50.000
636A-Frequency-xxxxx	F536LAR	±25PPM	-40 ~ +85	1.800 ~ 50.000
546A-Frequency-xxxxx	F538LA	±20PPM	-10 ~ +70	1.800 ~ 50.000

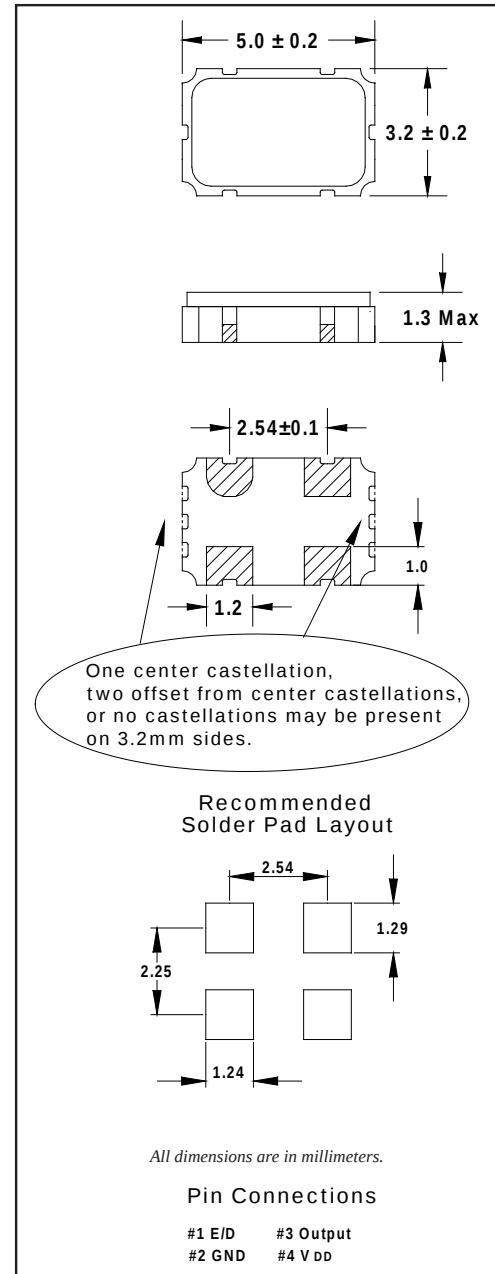
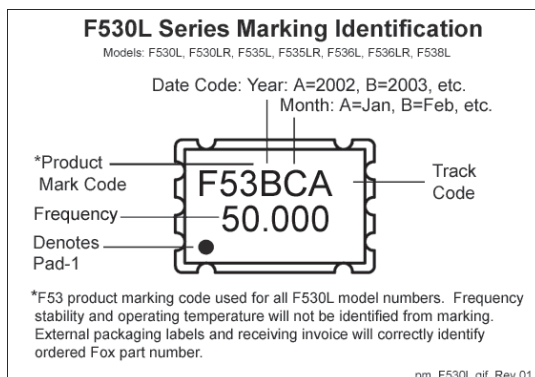
• ELECTRICAL CHARACTERISTICS

PARAMETERS	MAX (unless otherwise noted)
Frequency Range (Fo)	1.800 ~ 50.000 MHz
Storage Temperature Range (T _{STG})	-55°C ~ +125°C
Supply Voltage (V _{DD})	3.3V ± 5%
Input Current (I _{DD}) (No Load)	
1.800 ~ 32.000 MHz	2.5mA
32.000+ ~ 50.000 MHz	3.5mA
Output Symmetry (50% V _{DD})	45% ~ 55%
Rise Time (10% ~ 90% V _{DD}) (T _R)	12nS
Fall Time (90% ~ 10% V _{DD}) (T _F)	12nS
Output Voltage (V _{OL})	10% V _{DD}
(V _{OH})	90% V _{DD} Min
Output Current (I _{OL})	2mA Min
(I _{OH})	-2mA Min
Output Load (HCMOS)	15pF
Standby Current	1µA
Start-up Time (T _S)	5mS
Output Disable Time ²	150nS
Output Enable Time ²	5mS
Reflow Soldering Temp	260°C / 10 Seconds
Moisture Sensitivity Level (MSL)	1
Termination Finish	Au

¹ Inclusive operating temperature range, input voltage change, load change, aging, shock, and 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.



• ENABLE / DISABLE FUNCTION

INH (Pin 1)	OUTPUT (Pin 3)
OPEN ²	ACTIVE
'1' Level V _{IH} ≥ 70% V _{DD}	ACTIVE
'0' Level V _{IL} ≤ 30% V _{DD}	High Z

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• TAPE SPECIFICATIONS (millimeters)

MODEL	A	B	C	D	E	F	STD Reel QTY
F530LA 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
F530LA Series	2.0	Ø13	Ø21	Ø80	Ø250	13.5	2.0

