

HCMOS 5x3.2mm 2.85V SMD Oscillator



Model: F520L Series

RoHS Compliant / Pb Free

Rev. 5/7/2009

Page 1 of 2

http://www.foxonline.com/need_a_sample.htm



FEATURES

- 2.85V Operation
- HCMOS Output
- Standby Function
- Tape and Reel (1,000 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)
661-Frequency-xxxxx	F520L	±100PPM	-10 ~ +70	1.544 ~ 80.000
662-Frequency-xxxxx	F520LR	±100PPM	-40 ~ +85	1.544 ~ 80.000
663-Frequency-xxxxx	F525L	±50PPM	-10 ~ +70	1.544 ~ 80.000
664-Frequency-xxxxx	F525LR	±50PPM	-40 ~ +85	1.544 ~ 80.000
499-Frequency-xxxxx	F526L	±25PPM	-10 ~ +70	1.544 ~ 80.000
659-Frequency-xxxxx	F526LR	±25PPM*	-40 ~ +85	1.544 ~ 80.000
520-Frequency-xxxxx	F528L	±20PPM*	-10 ~ +70	1.544 ~ 80.000

• ELECTRICAL CHARACTERISTICS

PARAMETERS	MAX (unless otherwise noted)
Frequency Range (Fo)	1.544 ~ 80.000 MHz
Storage Temperature Range (TSTG)	-55°C ~ +125°C
Supply Voltage (VDD)	2.85V ± 5%
Input Current (IDD)	
1.544 ~ 32.000 MHz	12mA
32.000+ ~ 50.000 MHz	20mA
50.000+ ~ 80.000 MHz	40mA
Output Symmetry (50% VDD)	45% ~ 55%
Rise Time (10% ~ 90% VDD) (Tr)	5nS
Fall Time (90% ~ 10% VDD) (Tf)	5nS
Output Voltage (VOL)	10% VDD
(VOH)	90% VDD Min
Output Current (IOL)	4mA Min
(IOH)	-4mA Min
Output Load (HCMOS)	15pF
Standby Current	10µA
Start-up Time (Ts)	10mS
Output Disable Time ²	150nS
Output Enable Time ²	10mS

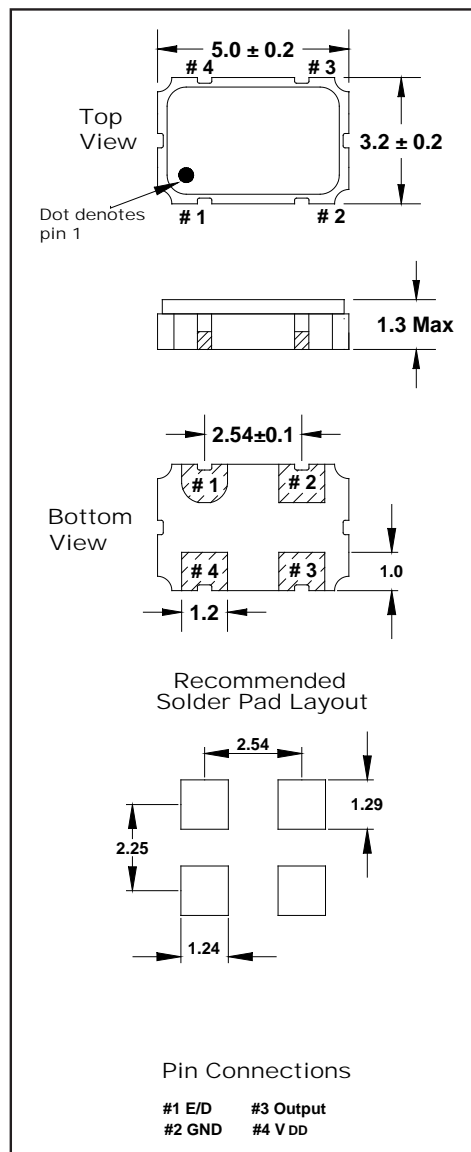
¹ Inclusive of 25°C tolerance, operating temperature range, input voltage change, load change, aging, shock, and vibration. *Excludes Shock/Vibration

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

Note: A 0.01µF bypass capacitor should be placed between VDD (Pin 4) and GND (Pin 2) to minimize power supply line noise.

Drawing is for reference to critical specifications defined by size measurements.

Certain non-critical visual attributes, such as side castellations, reference pin shape, etc. may vary. All specifications subject to change without notice.



• 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

HCMOS 5x3.2mm 2.85V SMD Oscillator



Model: F520L Series

RoHS Compliant / Pb Free

Rev. 5/7/2009

Page 2 of 2

http://www.foxonline.com/need_a_sample.htm

Need a
Sample®

• TAPE SPECIFICATIONS (millimeters)							
MODEL	A	B	C	D	E	F	STD Reel QTY
F520L Series	∅1.5	4.0	8.0	5.5	12.0	1.5	1,000

• REEL SPECIFICATIONS (millimeters)							
MODEL	G	H	I	J	K	L	M
F520L Series	2.0	∅13	∅21	∅62	∅180	13.5	2.0

