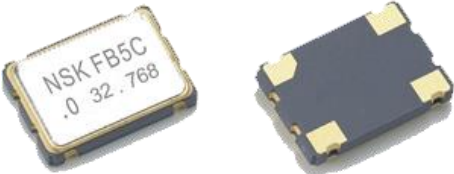


SMD TYPE CERAMIC OSCILLATORS



NAOH Series 5.0 x 3.2

  	Application :
	- Typically used for real time clock application - Mobile Phone / Set-top Box - Notebook PC / Portable PC - Car navigation systems - Wireless LAN
	Features :
	- Meet clock signal for tight tolerance requirement - Tight symmetry (45 to 55%) available - Low Power Consumption - Tri-state enable / disable - Excellent solderability



Electrical Specification :

Model		NAOH-53		
Frequency Range	KHz	32.768		
Oscillation Mode		Fundamental		
Output Type		CMOS		
Output Load	pF	15		
Frequency Stability	PPM	A: ±100 B: ±50 C: ±30 D: ±25		
Operating Temp Range	°C	-20 ~ +70 or specify		
Storage Temp Range	°C	-55 ~ +125		
Power Supply Voltage	VDC	3.3V±10%	2.5V±5%	1.8V±5%
Voltage Vol / Voh	%	10% VDD (Max) / 90% VDD (Min)		
Output Symmetry		40% ~ 60% or 45% ~ 55% (at 55%VDC)		
Tri-state Voltage Vol / Voh		0.3 VDD / 0.7 VDD		
Start Time	mS	10		
Current Consumption	uA	240 (Max)		
Rise and Fall Time	nS	200 (Max)		

* Above specification subject to change without prior notice, please consult our sales representative for more information*

SHENZHEN - Shenzhen Huilicheng Electronic Technology Co.,Ltd. HONGKONG - HUILICHENG ELECTRONICS(HK)CO.,LIMITED

Address: 6910b,Seg Plaza,No.1002 North Huaqiang Road,Fuqiang Community,Huaqiang North Street,Shenzhen,Guangdong,China

Tel: +86-0755-83576022

E-mail: hlc-zzw@hlcdzjkj.com

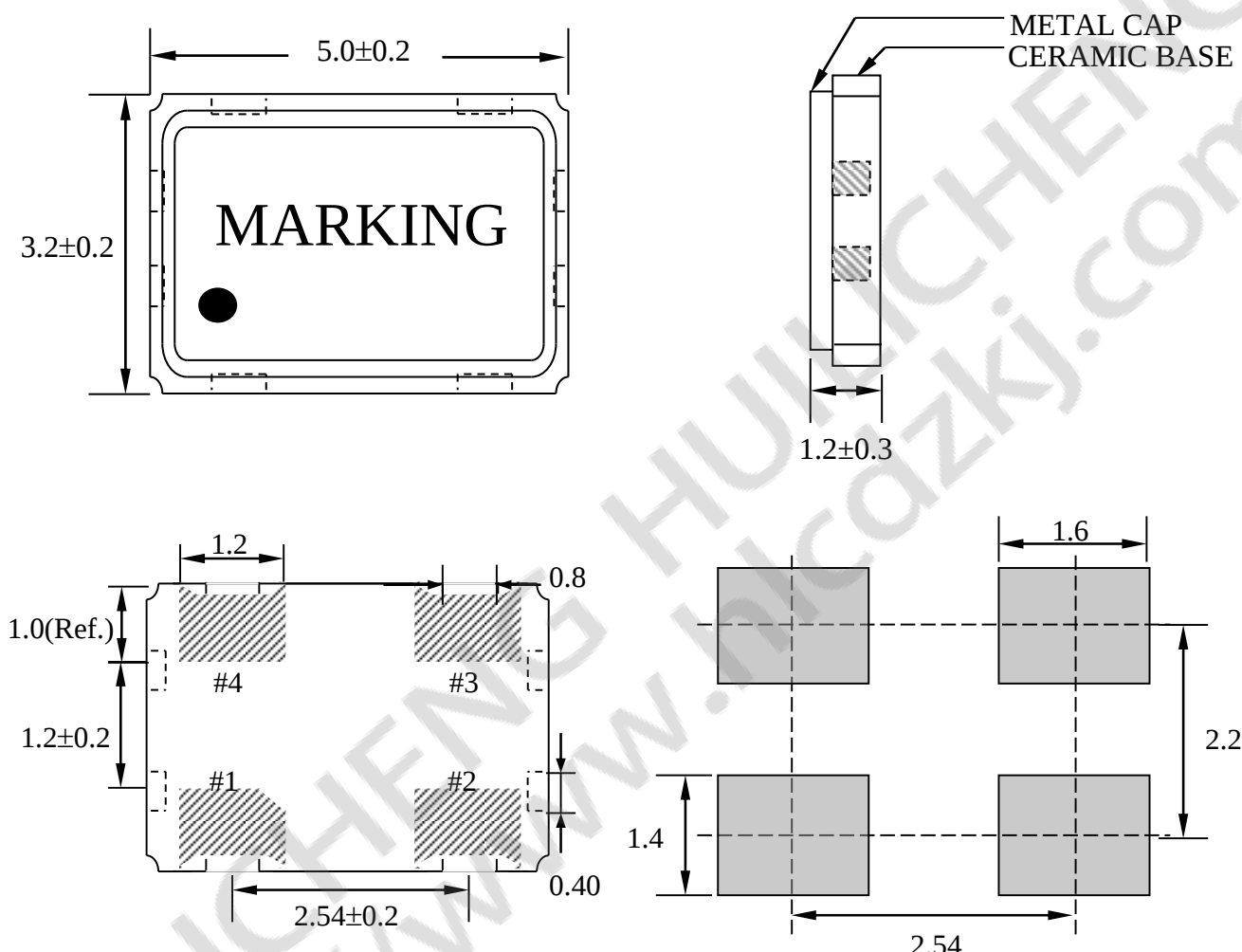
Fax: 0755-83778079

Web: <http://www.hlcdzjkj.com>

SMD TYPE CERAMIC OSCILLATORS



Dimensions (mm) :



#1: ENABLE / DISABLE FUNCTION

INH (PIN 1)	→	OUTPUT (PIN 3)	# NO.: define	
High (OPEN)	→	Operating	#4: VDD	#3: OUTPUT
LOW	→	High impedance	#1: E/D	#2: GND

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COVER TAPE

0.35

5.4 ± 0.1

1.4 ± 0.1

8.0 ± 0.1

4.0 ± 0.1

$\phi 1.5 \pm 0.05$

1.75 ± 0.1

5.5 ± 0.1

12.0 ± 0.1

$\phi 1.7 \pm 0.01$

3.6 ± 0.1

DUT

Technical drawing of a fan showing front and side views with dimensions.

Front View (Left):

- Overall diameter: $\phi 180.0$
- Blade angle: 120°
- Central hub diameter: 2.0
- Label position: 12.2 ± 0.1

Side View (Right):

- Blade thickness: 1.6
- Hub diameter: $\phi 13.0$
- Overall diameter: $\phi 62.0$

Temperature (°C)

255±5°C

150±5°C

0°C

10secMax.

120sec. Max.

Pre-Heat Reflow Cool

Time (seconds)

Total Time: 200sec. Max.

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