


LUCKI CM ELECTRONICS Co.,Ltd


APPROVAL SHEET

Customer : _____

Part Number: _____

LK Part No.: LPC0S12000U83L

Holder : 47SMD

Frequency: 12.000MHZ 20PF ±20PPM

Manufacturer: Lucki Electronics

Date: 2023-05-31

Prepared	Checked	Approved
Zhao Qian	Zhang Dongwei	Zhang Bin

(For Customer Use)

Acceptable	



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Revision History

No.	Revised Date	Change Content	Approved	Remark
<i>Lucki Electronics Co., Ltd</i>				


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一、电性能参数 ELECTRICAL PARAMETERS:

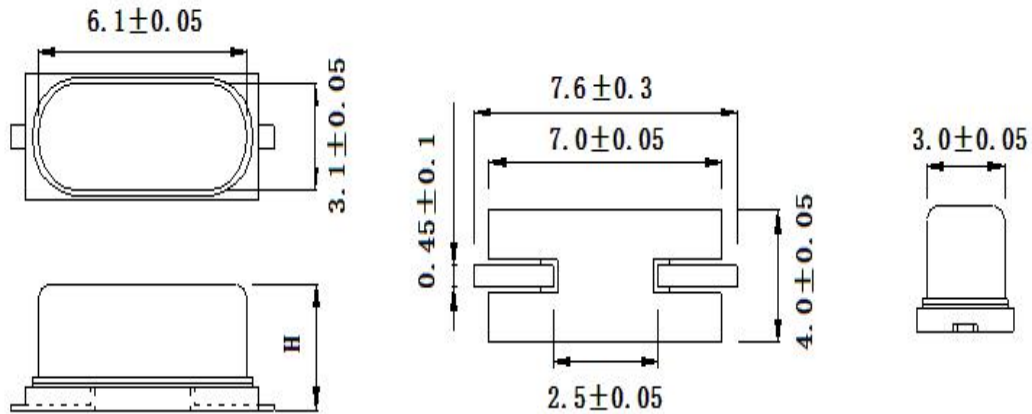
No.	特性 Characteristic	范围 Limits	备注 Remark
1	产品型号 Ackage Type	ZC-47SMD	
2	标称频率 Nominal Frequency	12.000000MHz	
3	振动模式 Mode of Vibration	AT—Fund（基频）	
4	常温频差 Frequency Tolerance	$\pm 20\text{ppm}$	$25 \pm 3^\circ\text{C}$ 测试 Measure at $25^\circ\text{C} \pm 3^\circ\text{C}$
5	工作温度范围 Operating Temperature Range	$-20^\circ\text{C} \sim +70^\circ\text{C}$	
6	频率稳定度 Frequency Stability	$\pm 30\text{ppm}$	
7	储存温度范围 Storage Temperature Range	$-40^\circ\text{C} \sim +85^\circ\text{C}$	
8	负载电容 Load capacitance	20pF	
9	谐振电阻 Equivalent Series Resistance	$40\ \Omega$ max	
10	激励功率 Drive Level	$100\ \mu\text{W}$ max	
11	绝缘电阻 Insulation Resistance	$500\text{M}\ \Omega$	At 250V_{DC}
12	静电容 Shunt Capacitance	5pF max	
13	老化率 Aging Per Year	$\pm 5\text{ppm}$	
14			



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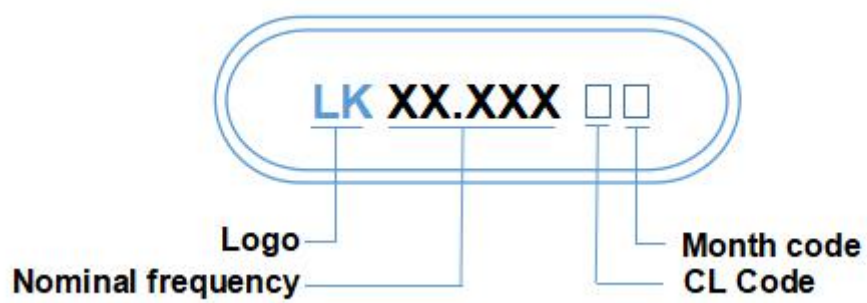


三、外形尺寸 Outline Dimensions (unit: mm)



NO.	规格	H
1.	F<16Mhz(含)	2.3Max
2	F>16Mhz	2.1Max

四、印字 Marking



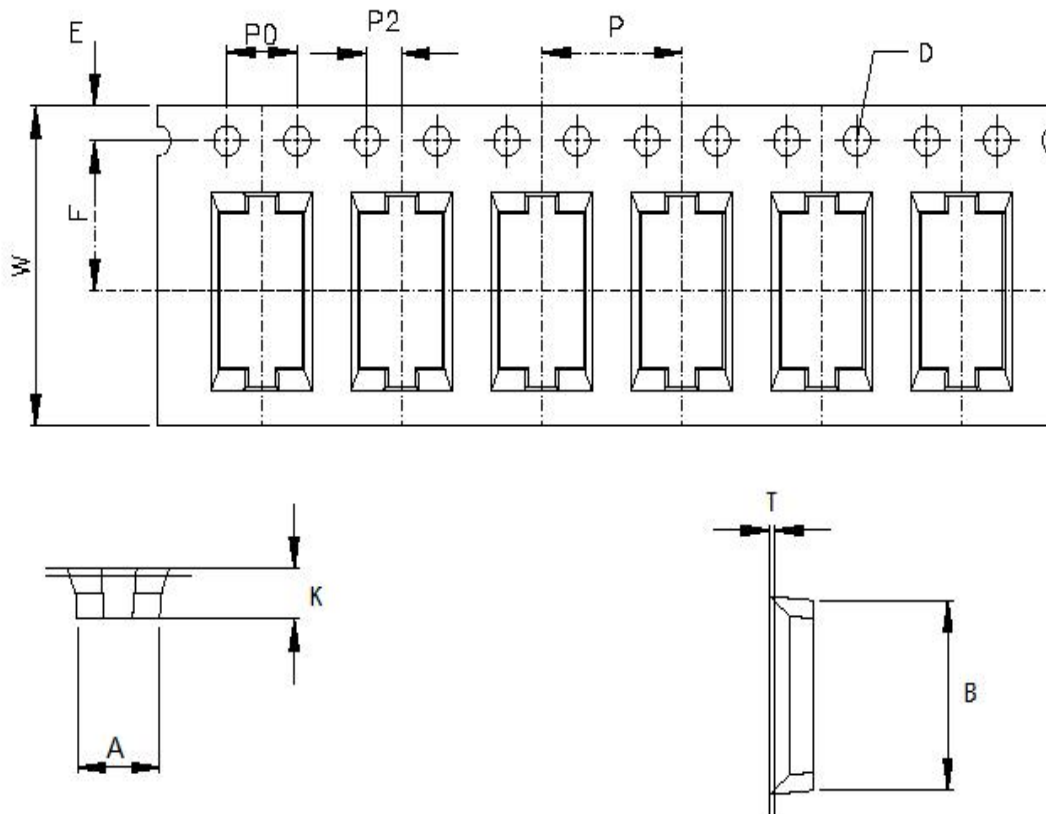


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五、包装方式 Packing

T/R: 3000pcs/ REEL



单位 units : mm:

Model	A	B	D	E	F	P	P0	T	W
ZC-47SM	4.7 ± 0.1	9.5 ± 0.1	$\Phi 1.5$	1.75 ± 0.1	7.5 ± 0.1	8.0 ± 0.1	4.0 ± 0.1	0.3 ± 0.05	16 ± 0.3



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SPEC1	12	16	24	32	44	56	72	88
$C1 \pm 1$	330	330	330	330	330	330	330	330
$A \pm 0.2$	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
$B \pm 0.2$	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
$H \pm 2.0$	12.5	16.5	24.5	32.5	44.5	56.5	72.5	88.5
$T \pm 0.2$	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
$D \pm 0.5$	$\phi 100$	$\phi 100$	$\phi 100$	$\phi 100$	$\phi 100$	$\phi 100$	$\phi 100$	$\phi 100$

