雅晶鑫電子	Shenzhen Yajingxin Electron Co.,Ltd

Customer	
Production Name	**SMD OSC SEAM 5.0*3.2**
Customer P/N	**N/A**
P/N	F50328MUBCE20
Revision	A
Print Date	**2023-04-20**

Drawn	Checked	Approved
陳昭昭	鄭利	李虹

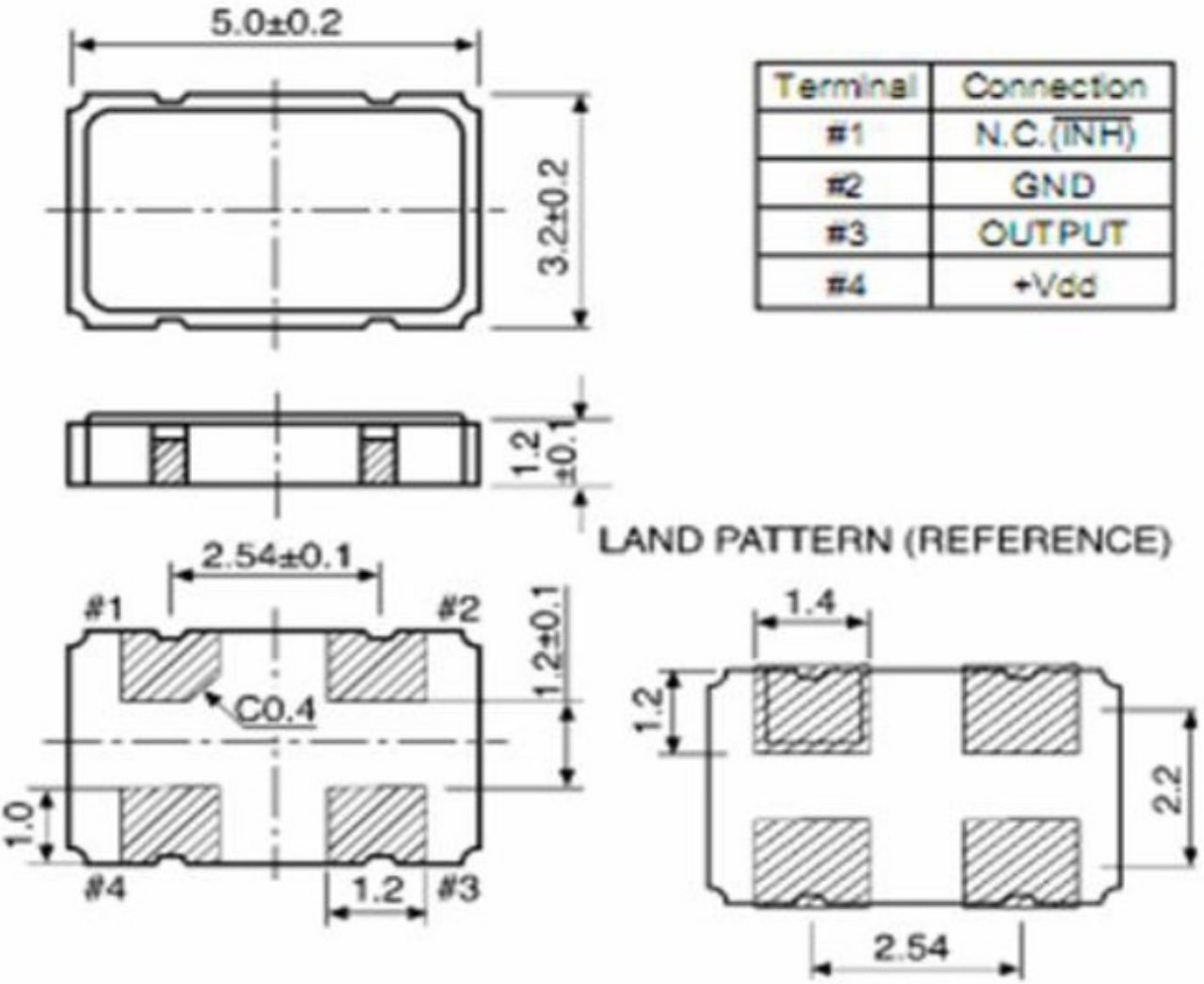
RoHS Compliant

联络方式：邮址：lihong@taesz.cn 移动：138-0255-9153 联络人：李先生

1.Model No		5032 OSC
2.Nominal Frequency		8.000MHz
3.Mode of Oscillation		Fundamental
4.Operating Temperature Range		-40℃ to 85 ℃
5.Storage Temperature Range		-55℃ to +125℃
6.Frequency Stability		±10ppm
7.Power Supply Voltage		1.8V ~ 3.3V
8.Input Current		5mA Max. ：
9.Output Voltage	Logic High(Voh)	90%Vdd Min
	Logic Low(Vol)	10%Vdd Max
10.Output Load		15pF max CMOS Load
11.Semmetry (at 50%VDD)		40-60%Normal
12.Rise & Fall Time		8ns Max.
13.E/D or N/C.		Tri-state
14.Output Disable Time		100nsec
15.Output Enable Time(start-up time)		10msec max
16.Aging		±3ppm/year
17.Unit Weight		

■ Dimensions

CXO-5032



Terminal	Connection
#1	N.C.(INH)
#2	GND
#3	OUTPUT
#4	+Vdd

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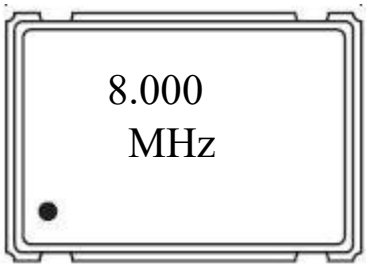
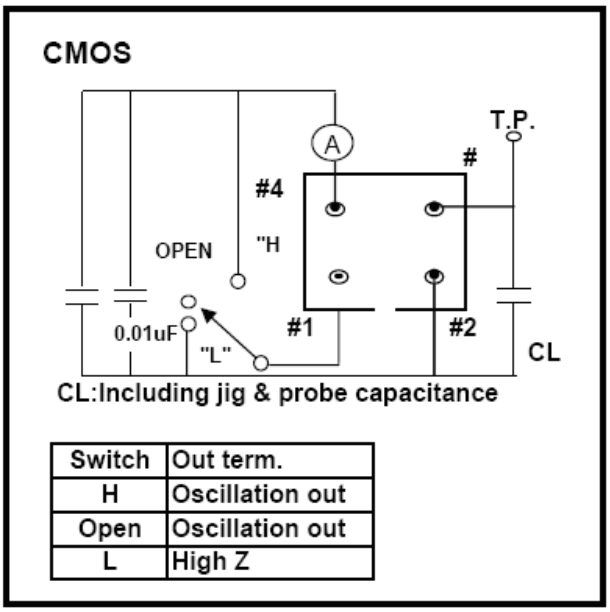
■ Marking

Line 1: 客户指定印字→

Line 2： ● → Pin#1 indication

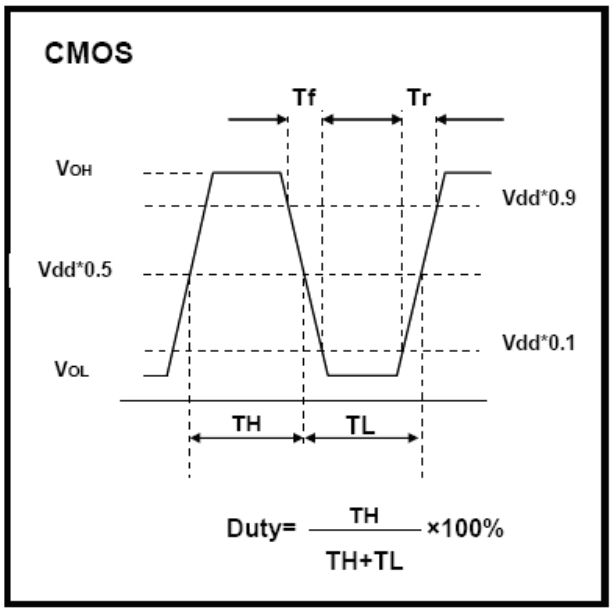


■ Measurement Circuit

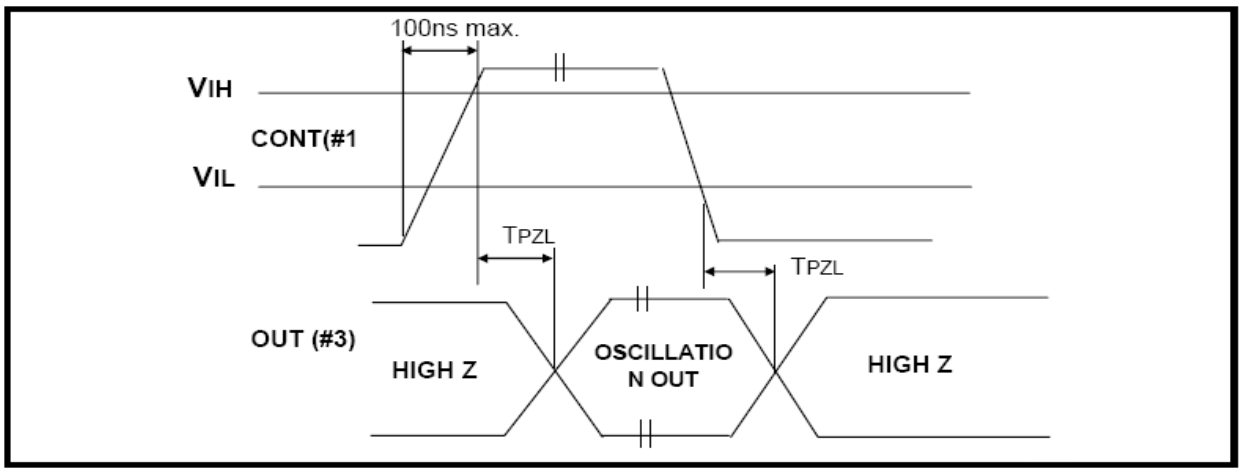


Switch	Out term.
H	Oscillation out
Open	Oscillation out
L	High Z

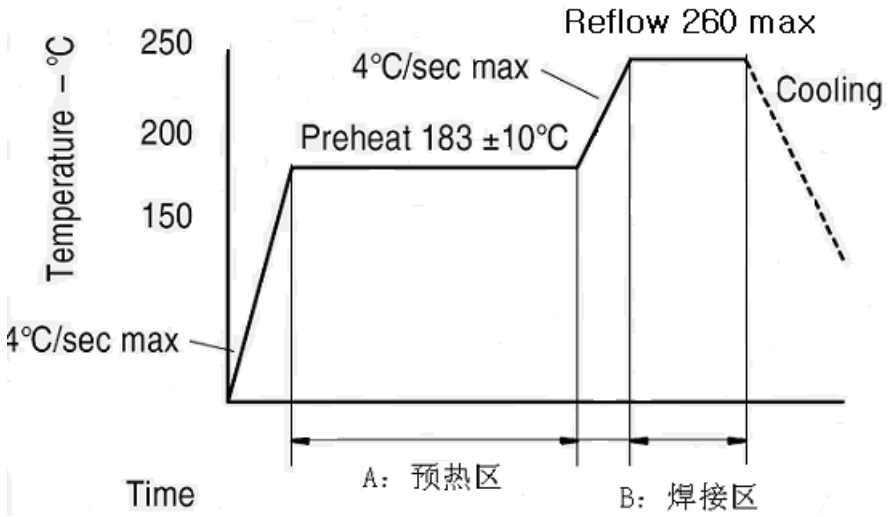
Output Wave Form



■ Input Output Condition



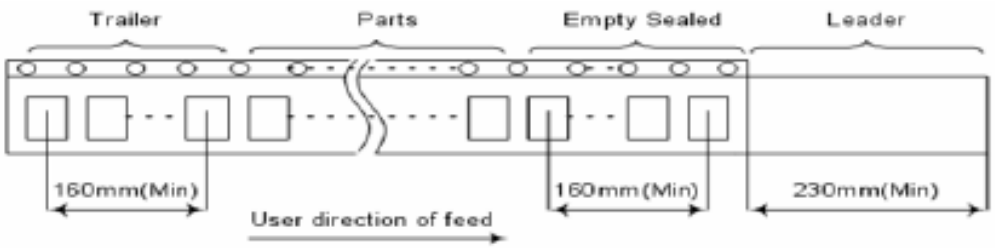
■ Reflow Profile

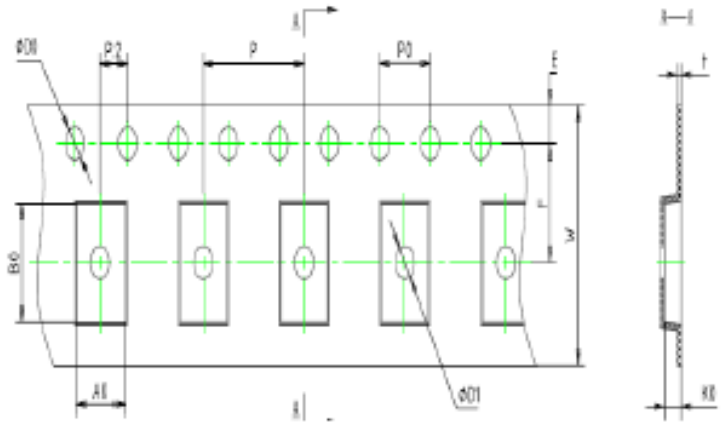


■ Reliability Specifications

No	Test Item	Test Methods
1	DROP TEST	Device are dropped from a height of 75 cm onto 3 mm thickness stainless plate executing 3 times of random drops.
2	MECHANICAL SHOCK	Device are shocked to half sine wave (1000 G) three mutually perpendicular axes each 3 times.
3	High Temp and Humidity Test	85℃/RH 85%, 500Hrs
4	High temp storage test	125℃+/-2℃ 500Hrs
5	Low temp storage test	-40℃ 500Hrs
6	Thermal shock test	-40℃~+85℃ DWEL 60’ 100cycles
7	Aging test	85℃ 500Hrs
8	Resistance to solder heat	260℃ 10S
9	VIBRATION	Frequency range 10-2000 Hz Amplitude Sweep 1.5 mm Sweep Time 20 minute Test Time 2 hours
10	SOLDERABILITY	MIL - STD - 20E Method 208C Temperature 245°C±5°C Material H63A (Silver 2-3 %) Immersion depth 0.5 mm minimum Immersion time 3 ± 0.5 seconds Flux Rosin resin methyl

■ Packing





外 观	尺 寸（mm）
E	1.75±0.10
E2	10.25MIN
F	5.50±0.10
P2	2.00±0.10
φD0	1.50 +0.10 -0.00
φD1	1.50MIN
P0	4.00±0.10
10P0	40.00±0.2
W	12.00±0.30
P	8.00±0.10
A0	3.70±0.10
B0	5.50±0.10
K0	1.30±0.10
t	0.30±0.05

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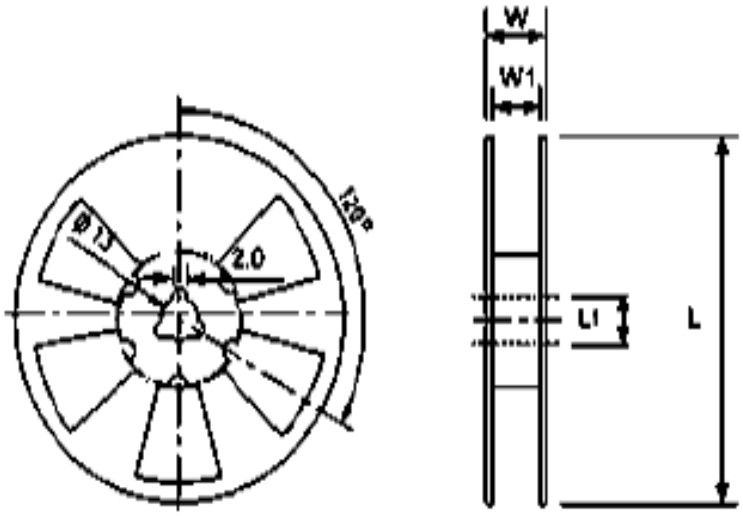

DEMENSIONS	L	L1	W	W1	Pcs/Reel (UNIT：mm)
	178	13	12.0+/-0.3	11.5	Standard Reel Quantity is 1,000 pcs per reel

NOTE: 1. packgeing q'ty 1000PCS /REEL

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