



Shenzhen Yajingxin Electron Co.,Ltd

Customer	
Production Name	SMD CRYSTAL SEAM 5.0*3.2
Customer P/N	N/A
P/N	YB8MDDCE2X
Revision	A
Print Date	2024-12-31

Drawn	Checked	Approved
		



RoHS Compliant

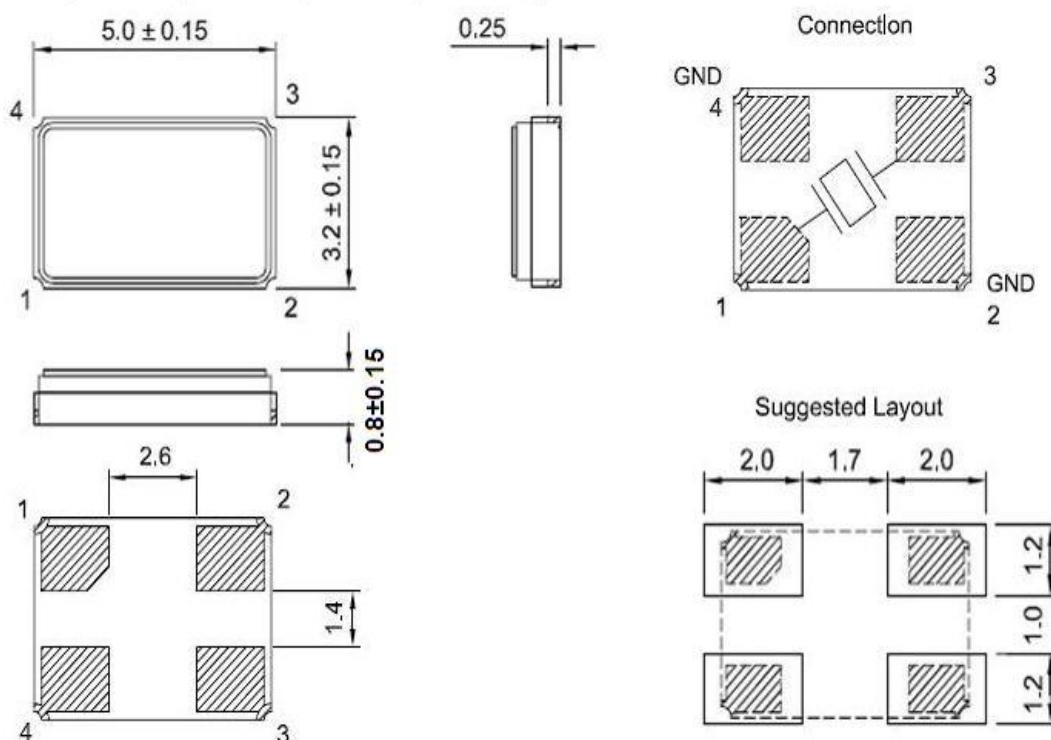


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● ELECTRICAL PARAMETERS

谐振器产品技术指标		Min	Max	Units
1.Holder Type(型号规格)		SEAM 5.0*3.2		
2.Mode of Oscillation（振动模式）		Fundamental		
3. Frequency（标称频率）		8.000000		MHz
4.Load Capacitance (CL)（负载电容）		10		pF
5.Drive Level（激励功率）		100		uw
6.Equivalent Resistance（谐振电阻）		80		Ω
7.Shunt Capacitance (Co)（静态电容）		0	5	pF
8.Motional Capacitance (C1)（动态电容）		N/A		fF
9.Frequency Tolerance at 25℃（调整频差）		-20	20	ppm
10.Stability over operation temperance（温度频差）		± 30		ppm
11.Insulation Resistance (at DC 100V)（绝缘电阻）		500MΩ Min @100V		MΩ
12.Operating Temperature Range（工作温度范围）		-40	85	℃
13. Storage Temperature Range（储存温度范围）		-40	85	℃
14. Aging（老化率）		± 3		ppm/year
15. DLD2	N/A		N/A	Ω
16. FLD2			N/A	ppm
17. RLD2			N/A	Ω
18. SPDB			N/A	db
19. Other(其它)		N/A		

OUTLINE DIMENSIONS(UNIT:mm) 外形尺寸（单位：mm）





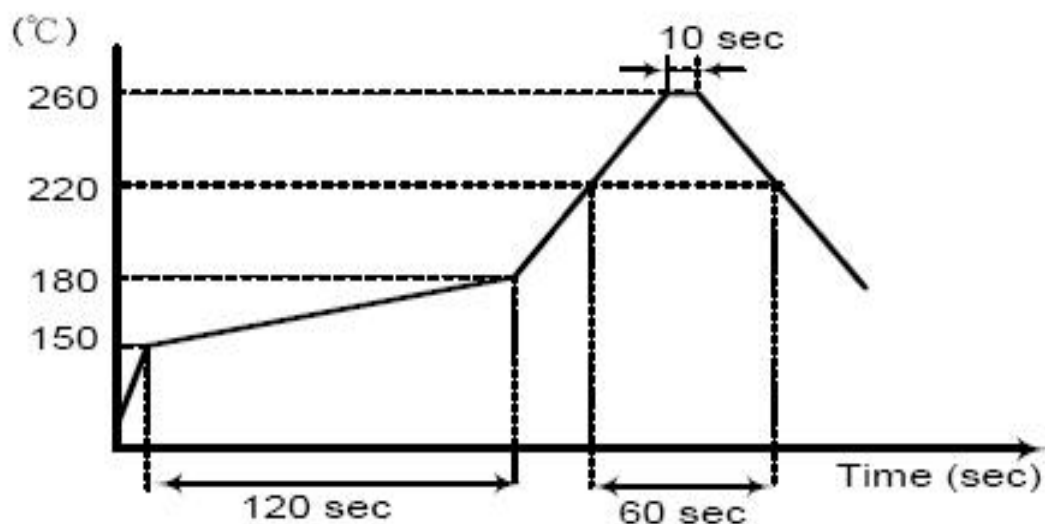
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● SUGGESTED REFLOW PROFILE (回流焊曲线图)

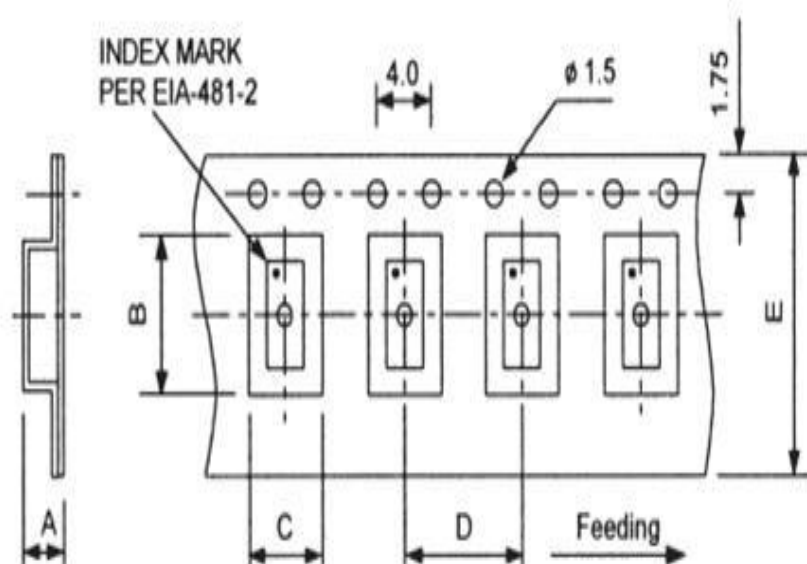
Total time:200sec.Max. (总时间: 200秒 最大)

Solder melting point:220℃ (熔点220℃)

Profiles Feature (特性)		Pb-Free Assembly
Average Ramp-up Rate(Ts max to Tp) 平均升温速度		3℃/second Max
Preheat	预热	
■ Temperature Min (Ts min)	最低温度	125℃
■ Temperature Max (Ts max)	最高温度	200℃
■ Time (ts min to ts max)	从最低到最高时间	(60~180) seconds
Time maintained above	维持上述时间	
■ Temperature(T1)	温度	217℃
■ Time(tp)	时间	(60~150) seconds
Peak/Classification Temperature(Tp) 最高点温度		260℃
Time within 5℃ of actual Peak Temperature(tp)		(20~40) seconds
Ramp-down rate		6℃/second max
Time 25℃ to Peak Temperature		8 minutes max
Suggest reflow times		3 Times max



- PACKING (包装) 1Kpcs/REEL



SIZE

A 1.7

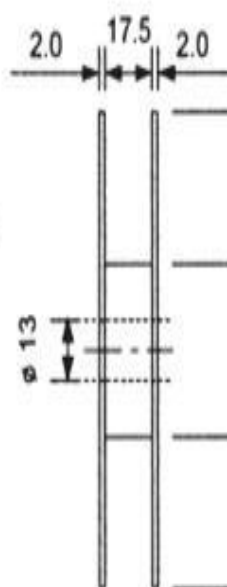
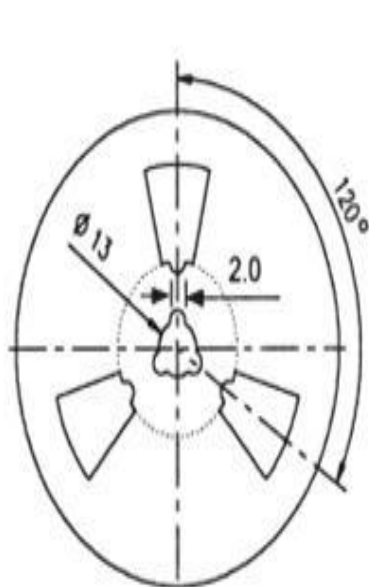
B 5.45

C 3.65

D 8.0

E 12.0

IK



REMARK :

1. 230 mm (9.05) minimum leader which consist of carrier and/or cover tape followed by a minimum of 160 mm (6.3) of empty carrier tape sealed with cover tape.
2. 160 mm (6.3) minimum trailer of empty carrier tape sealed with cover tape.