



Shenzhen Yajingxin Electron Co.,Ltd

Customer	
Production Name	CRYSTAL SEAM 49/S
Customer P/N	N/A
P/N	YG12MLBBE2X
Revision	A
Print Date	2025-01-08

Drawn	Checked	Approved
		



RoHS Compliant

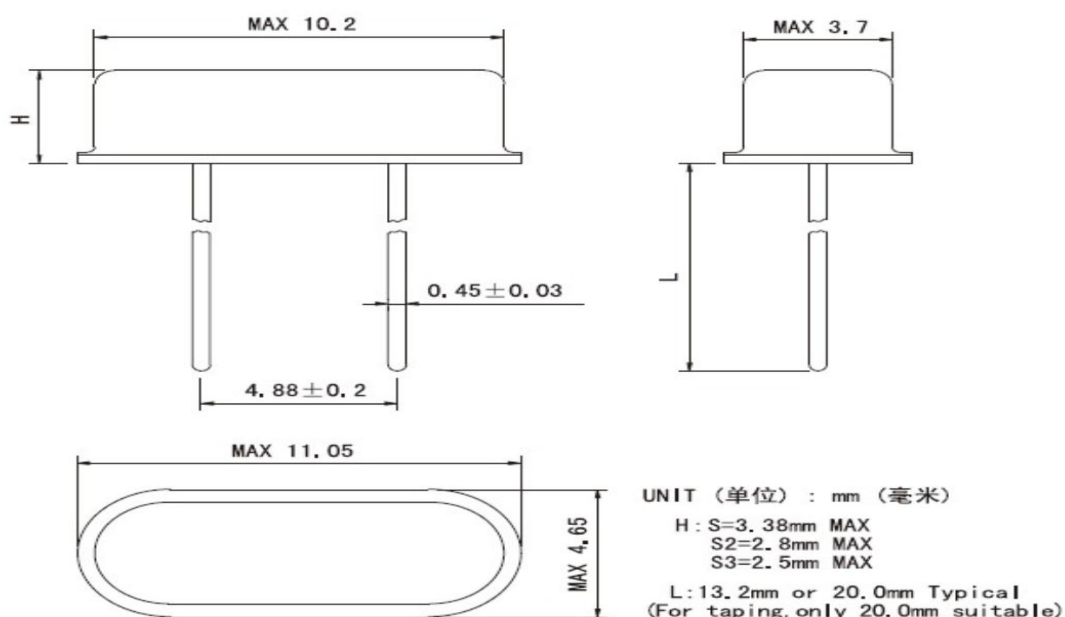


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● ELECTRICAL PARAMETERS

谐振器产品技术指标		Min	Max	Units
1.Holder Type(型号规格)		SEAM 49S		
2.Mode of Oscillation (振动模式)		Fundamental		
3. Frequency (标称频率)		12.000000		MHz
4.Load Capacitance (CL) (负载电容)		20		pF
5.Drive Level (激励功率)		≤100		uw
6.Equivalent Resistance (谐振电阻)		≤40		Ω
7.Shunt Capacitance (Co) (静态电容)		≤5		pF
8.Motional Capacitance (C1) (动态电容)		N/A		fF
9.Frequency Tolerance at 25℃ (调整频差)		-10	10	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)		-20	70	℃
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		N/A	db
19. Other(其它)		N/A		

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





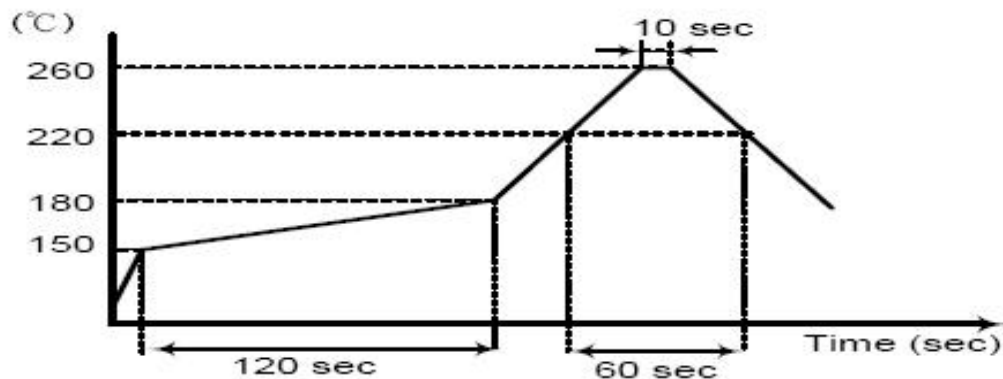
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● SUGGESTED REFLOW PROFILE (回流焊曲线图)

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) 高温维持时间		(20~40) seconds
Ramp-down rate 降温速度		6℃/second max
Time 25℃ to Peak Temperature 从25℃到最高温度的时间		8 minutes max
Suggest reflow times 建议 reflow次数		3 Times max



●|● PACKING (包装) 200pcs/REEL

