



Shenzhen Yajingxin Electron Co.,Ltd

Customer	
Production Name	SMD CRYSTAL SEAM 3.2*1.5
Customer P/N	N/A
P/N	GM32768KGBCZ2X
Revision	A
Print Date	2025-01-20

Drawn	Checked	Approved
		



RoHS Compliant

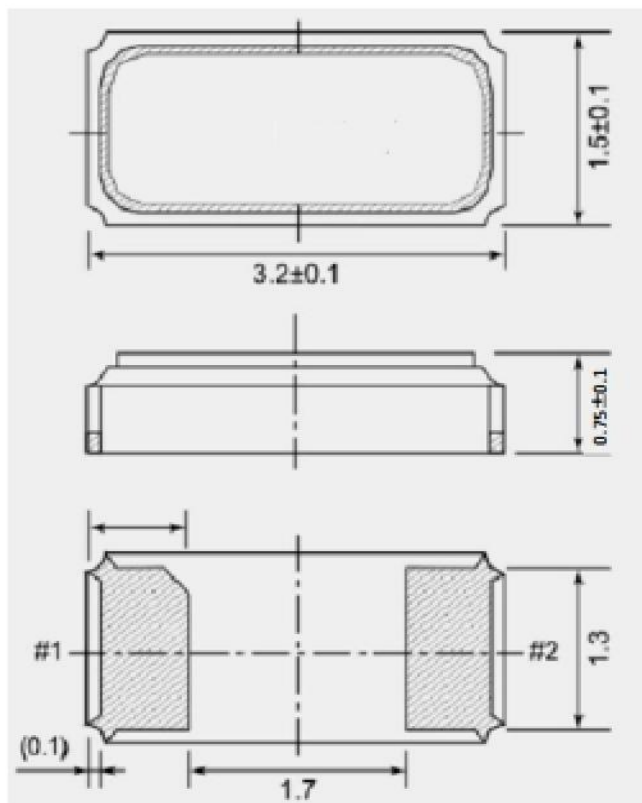


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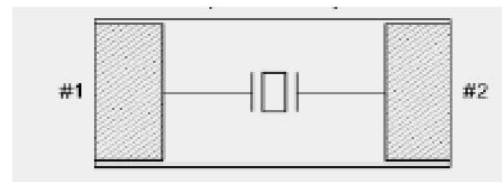
● ELECTRICAL PARAMETERS

谐振器产品技术指标		Min	Max	Units
1.Holder Type(型号规格)		SEAM 3.2*1.5		
2. Frequency (标称频率)		32.768000		KHz
3.Load Capacitance (CL) (负载电容)		12.5		pF
4.Drive Level (激励功率)		1.000		uW
5.Equivalent Resistance (谐振电阻)		≤60		KΩ
6.Frequency Tolerance at 25°C (调整频差)		-10	10	ppm
7.Temperature Coefficient (二次温度系数)		【-0.034±0.01】ppm/°C		
8.Insulation Resistance (at DC 100V) (绝缘电阻)		500MΩ Min @100V		MΩ
9.Operating Temperature Range (工作温度范围)		-40	85	°C
10. Storage Temperature Range (储存温度范围)		-55	125	°C
11. Aging (老化率)		± 3		ppm/year
12. DLD2	N/A		N/A	Ω
13. FLD2			N/A	ppm
14. RLD2			N/A	Ω
15. SPDB	N/A		N/A	db
16. Other(其它)		N/A		

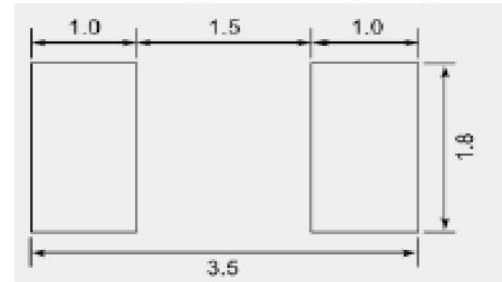
OUTLINE DIMENSIONS(UNIT:mm) 外形尺寸 (单位: mm)



*Internal Connections(Top View)



*Suggested solder pad layout

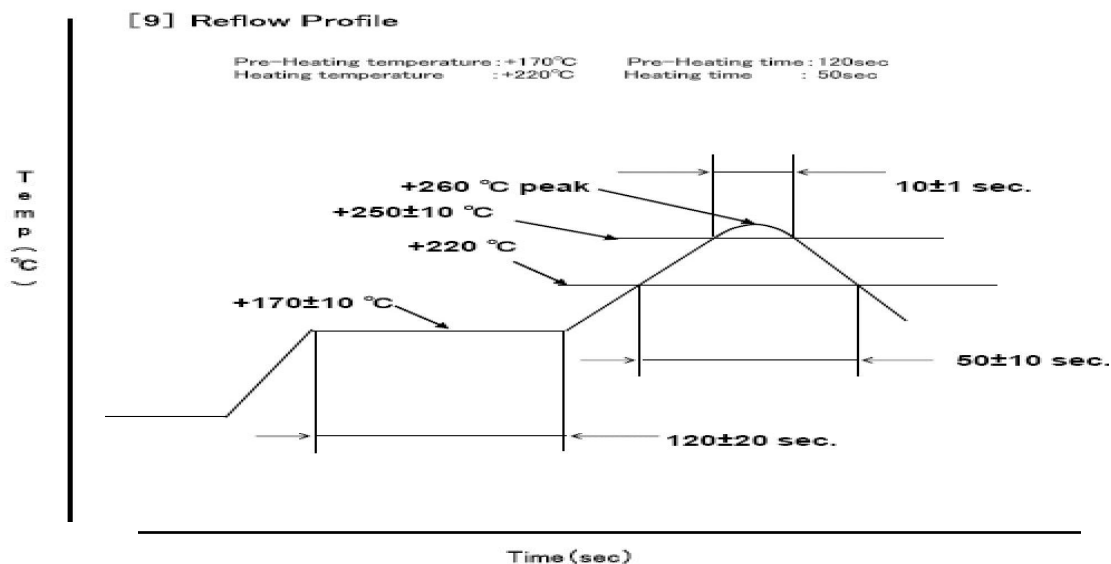




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- **SUGGESTED REFLOW PROFILE** （回流焊曲线图）
Total time:200sec.Max. （总时间：200秒 最大）
Solder melting point:220℃ （熔点220℃）

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



Note:
(1) The temperature used herein means the temperature on the circuit board.
(2) Reflow is permitted 2 times.

- PACKING (包装) 3Kpcs/REEL

Carrier tape

- (1) Conforms with EIA-481
- (2) Tolerance : ± 0.2

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- (2) Tolerance : ± 0.2

