



四川川晶科技有限公司

Sichuan chuanjing technology co., LTD.

产品规格承认书

SPECIFICATION FOR APPROVAL

客户名称: _____ 客户料号: _____
 产品名称: 石英晶体谐振器 产品类别: 电子
 产品型号: SMD 5032 产品频率: 08.000000MHz
 川晶料号: C5SB08.000F20E12 制作日期: 2025年10月15日

客户确认		客户确认签章
确认人		
部 门		
日 期		

◇请客户确认签章一份产品规格承认书做副本。

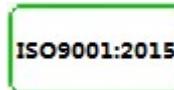
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制 作	审 核	批 准	签 章
李平华	曾育林	JODY	



ELECTRICAL SPECIFICATIONS

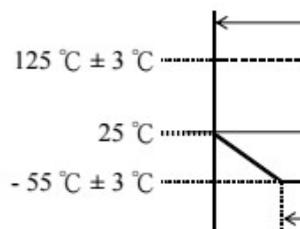
HLC Parts Number :

Item	Symbol	Specifications				Notes
		Min	Type	Max	Units	
Nominal frequency	FO	08.000000			MHz	
Mode of Oscillation	OT	fundamental				
Load Capacitance	LC	20			pF	
Frequency Tolerance	FT	±10			ppm	
Frequency Stability		±20			ppm	
					At ±25°C ±3°C with working temperature Reference to 25°C	
Working temperature range	TR	-20~70			°C	
Drive Level	DL	100			uW	
Series Resonant Resistance R	CI/RR	80			Ω	
					Max	
Insulation Resistance	IR	>500			MΩ	
Shunt Capacitance C0	C0	7			pF	
Aging		±3			Ppm/yr	
Storage temperature range		-45~90			°C	
Unit Weight					g	



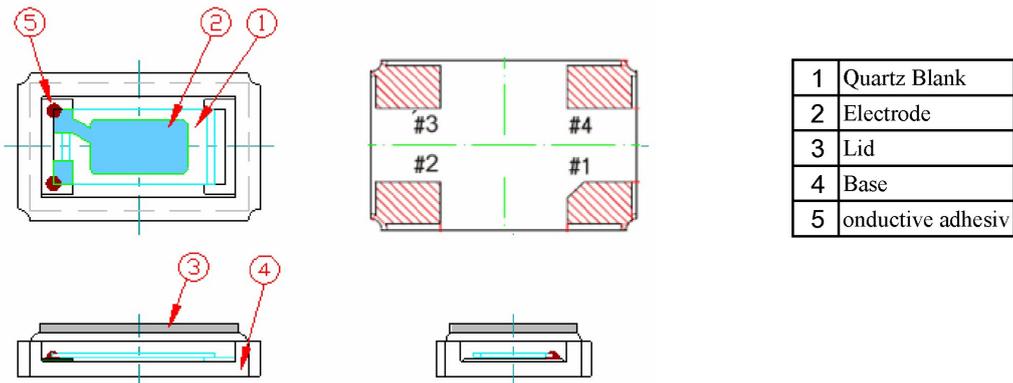
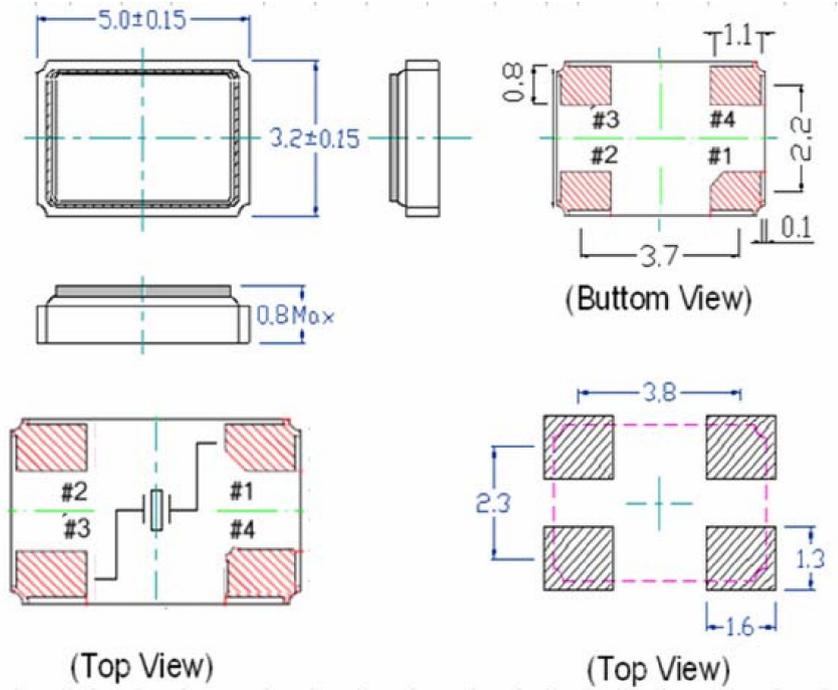
RELIABILITY SPECIFICATIONS

NO.	TEST ITEM TEST	METHODS										
1	DROP TEST	Device are dropped from a height of 150 cm onto 2 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	VIBRATION	<table> <tr> <td>Frequency range</td> <td>10 ~ 2000 Hz</td> </tr> <tr> <td>Amplitude</td> <td>1.5 mm</td> </tr> <tr> <td>Sweep Time</td> <td>20 minute</td> </tr> <tr> <td>Test Time</td> <td>2 hours</td> </tr> </table>	Frequency range	10 ~ 2000 Hz	Amplitude	1.5 mm	Sweep Time	20 minute	Test Time	2 hours		
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Amplitude	1.5 mm											
Sweep Time	20 minute											
Test Time	2 hours											
4	SOLDERABILITY	MIL - STD - 20E Method 208C <table> <tr> <td>Temperature</td> <td>245°C ± 5°C</td> </tr> <tr> <td>Material</td> <td>H63A (Silver 2 ~ 3 %)</td> </tr> <tr> <td>Immersion depth</td> <td>0.5 mm minimum</td> </tr> <tr> <td>Immersion time</td> <td>3 ± 0.5 seconds</td> </tr> <tr> <td>Flux Rosin</td> <td>resin methyl alcohol solvent (1 : 4)</td> </tr> </table>	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 alcohol solvent (1 : 4)
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5	RESISTANCE TO SOLDERING HEAT	MIL - SLD - 202, Method 210, Condition I or J 10 sec immersion into 260 ± 5°C solder pot, above 180°C is 90 ~ 120 sec.										
6	LOW TEMP. STORAGE	Leave at - 55 °C ± 2°C for 1000 ± 12 hours										
7	HIGH TEMP. STORAGE	Leave at 125 °C ± 2°C for 1000 ± 12 hours										
8	THERMAL SHOCK	Total 100 cycles of the following temperature cycle										





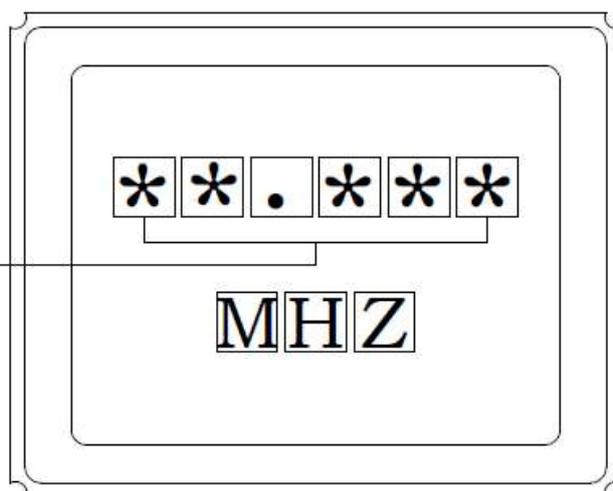
DIMENSIONS





RELIABILITY SPECIFICATION

频率



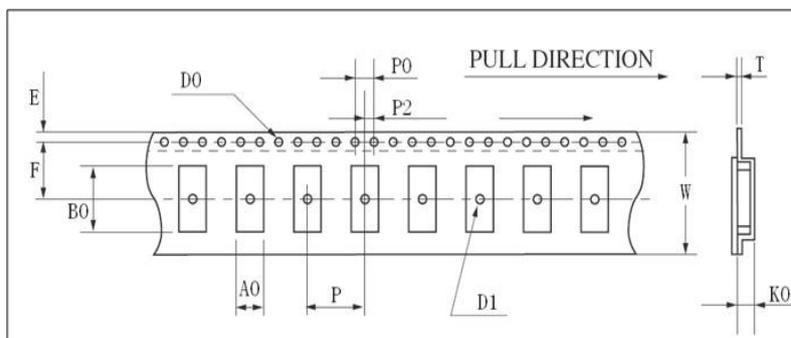
备注：中性印字

一、第一排“频率”（格式：5~10码）；

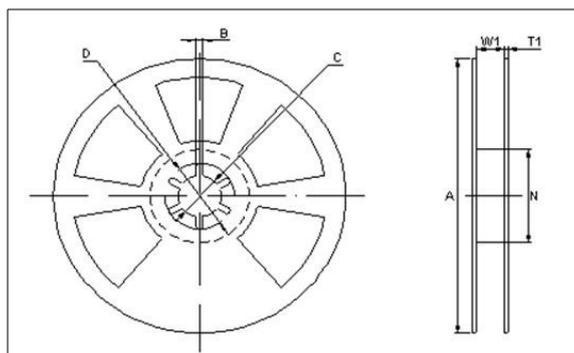
二、第二排“MHZ”（格式：大写，3码）。



REEL SPECIFICATIO



	HC-49SMD	8045	7050	6035	5032	4025	3225	2520	2016
W	24.00±0.30	16.00±0.05	16.00±0.05	12.00±0.05	12.00±0.05	12.00±0.05	12.00±0.05	8.00±0.02	8.00±0.02
E	1.75±0.10	1.75±0.10	1.75±0.10	1.75±0.10	1.75±0.10	1.75±0.10	1.75±0.10	1.75±0.10	1.75±0.10
F	11.5±0.10	7.5±0.10	7.5±0.10	5.5±0.10	5.5±0.10	5.5±0.10	3.5±0.05	3.5±0.05	3.5±0.05
T	0.40±0.05	0.35±0.05	0.35±0.05	0.35±0.05	0.35±0.05	0.35±0.05	0.25±0.05	0.25±0.05	0.20±0.05
P	12.00±0.10	8.00±0.10	8.00±0.10	8.00±0.10	8.00±0.10	8.00±0.10	8.00±0.10	4.00±0.10	4.00±0.10
P0	4.00±0.10	4.00±0.10	4.00±0.10	4.00±0.10	4.00±0.10	4.00±0.10	4.00±0.10	4.00±0.10	4.00±0.10
P2	2.00±0.10	2.00±0.10	2.00±0.10	2.00±0.10	2.00±0.10	2.00±0.10	2.00±0.10	2.00±0.10	2.00±0.10
D0	φ 1.50+0.10	φ 1.55+0.05	φ 1.50+0.10	φ 1.50+0.10					
D1	φ 1.50MIN	φ 1.15MIN	φ 1.10+0.10	φ 1.10+0.10					
A0	4.60±0.10	4.85±0.10	5.40±0.10	3.90±0.10	3.60±0.10	2.80±0.10	2.80±0.10	2.25±0.10	1.80±0.10
K0	4.40±0.10	1.90±0.10	1.80±0.10	1.50±0.10	1.40±0.10	0.90±0.10	1.00±0.10	0.80±0.10	0.70±0.10
B0	14.20±0.15	8.60±0.15	7.40±0.10	6.40±0.10	5.40±0.10	4.30±0.10	3.50±0.10	2.70±0.10	2.20±0.10



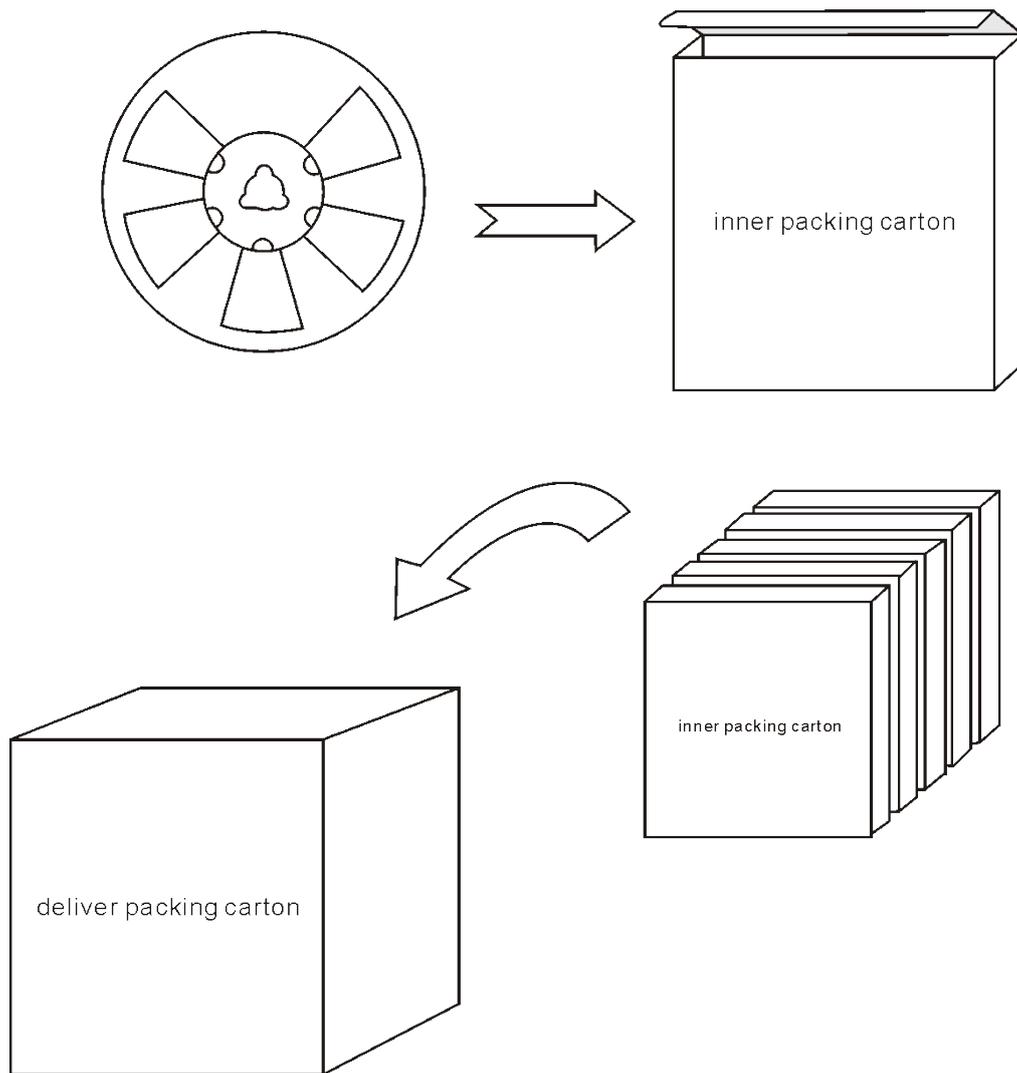
	HC-49SMD	8045	7050	6035	5032	4025	3225	2520	2016
A	φ 330±1.0	φ 178±2.0	φ 178±2.0	φ 180±2.0					
B	2.30±0.20	2.00±0.50	2.00±0.50	2.00±0.50	2.00±0.50	2.00±0.50	2.00±0.50	2.5±0.50	2.3±0.50
C	φ 13.5±0.20	φ 13.2±0.20	φ 11±0.20	φ 13.5±0.20					
D	φ 21.5±0.20	φ 20.0 min	φ 13±0.20	φ 13±0.20					
N	φ 100.0±0.5	φ 60.5±1.0	φ 60.2±1.0	φ 60±1.0					
W1	24.5±0.20	16.5±0.20	16.5±0.20	12.5±0.20	12.5±0.20	12.5±0.20	12.5±0.20	8.0+1.0/-0	8.0+1.0/-0
T1	2.30±0.20	1.80±0.20	1.80±0.20	1.80±0.20	1.80±0.20	1.80±0.20	1.80±0.20	1.75±0.20	1.8±0.20



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PACKING SPECIFICATION



备注：每盘1000pcs

每箱10盘（10000pcs）