

SPECIFICATION FOR APPROVAL

承认书

Customer Name:朝阳电子(深圳)有限公司
Customer Part No: 1002-0000092
Product Name: QUARTZ CRYSTAL
Part Description: HC/49SMD 24.576MHZ 20PF +/-10PPM
Date: 2012-06-14

CUSTOMER APPROVED BY

- 1.高温焊时间 5.5S
- 2.产品符合 ROHS 规定。
- 3产品符合 HSF 规定。
- 4.抗静电电压≥1KV
- 4.焊接温度 265°C



APPROVER:

深圳市福田区深南中路南光捷佳大厦 3017 室

TEL: 0755-82513855 FAX: 0755-83982016

1. Model HC/49SMD

2. No. of specification

3. Genera

3.1. Nominal Frequency (F₀): 24.576MHz

3.2. Mode of Oscillation (Mn): Fund (AT Cut)

3.3. Operating Temperature Range (T_0): -20°C~+70°C

3.4. Storage Temperature Range (Ts): -40°C~+85°C

3.5. Test Set: S&A 250B-1

S&A 350D

3.6. Drive Level (DL): 0.1mW Max.

3.7. Loading Capacitance (CL): 20pF

4. Electrical Characteristics

(This test shall be performed under the conditions of temp. at 25±3°C, humidity 60% max.)

4.1. Frequency Tolerance (\triangle F): ± 10 PPM

4.2. Equivalent Resistance (Rr): 50Ω Max./Series

4.3. Temperature Drift (Tc): ±10PPM Max. / -20°C~+70°C

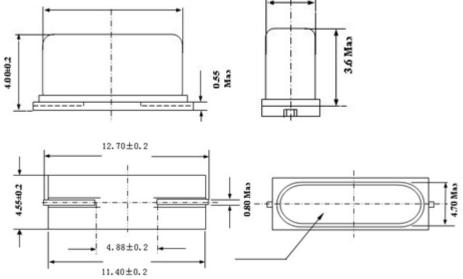
4.4. Shunt Capacitance (C₀): 7pF Max.

4.5. Drive Level Dependence (DLD): $\triangle Rr=12\Omega Max$.

4.6. Insulation Resistance (Ri): More than $500M\Omega / 100V\pm15VDC$.

4.7. Aging: ±3PPM Max.





MARKING:

HJ24.576

6. Frequency Stability Over Temperature Range

工作温度范围		频率稳定	定度/Freque	ency Stability	
/Temperature	M:±3×10 ⁻⁶	N:±5×10 ⁻⁶	O:±10×10	P:±20×10 ⁻⁶	Q:±30×10 ⁻⁶
Range			6		
A:0°C~+50°C	•	•	•	•	•
B:-10°C~+60°C	•	•	•	•	•
C:-20°C~+70°C		•	•	•	•
D:-40°C~+85°C				•	•
E:-55°C~+125°C				*	*

: Specially designated products.

朝阳电子(深圳)有限公司/Zhaoyang Elec.(Shen Zhen)Co.,Ltd

原材(物)料检验表/Material Inspect Sheet

2000092 *第一次比較/ 000092 *第一次比較/ 000092 *第一次比較/ 000092 8年 1002 10													
Description QUARTZ CRYSTAL HC/19SMD 24.576MHZ 20PF +/-10PPM Microprocessor of the control	品名/Part Name	開裝	料号/Part			*第_ 次试	英/T _	模号/Wold	NO.		*生产设备	-/Machine	N/A
Specification Fig. Specification Fig	Hilk /Docomintion		ART7	E		1	PF +/-10PPM			温/湿度/T	emperature	/Humididy	e
Specification FL R K(L) M https://doc.org/licensec. L L L L L L L L L		江田	*模具/ 商 /Mold Maker			校級日期 Check Date	2012-6-14	*模穴号 Cav. No.	, ,	重量 Weight	0.63g	生产产地 Produce place	:
Specification ±10PPM ≤50 12.7mm 4.55 4.00 Tolerance ±2PPM ≤5 ±0.2 ±0.2 ±0.2 1	检查项目/Ins.ltem	E	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		字	100					1	11	10
Tolerance	期格 Specification	+10PPM	02≪	12.7mm	4.55	4.00							
1 6.3 7.9 12.72 4.5 3.9 3.88 3.89 3.91 4.51 3.89 3.91 4.53 3.97	公公 Tolerance	+2PPM	5 2 3	±0.2	+0.2	± 0.2							
2 5.5 6.3 12.54 4.5 3.89			7.	12.	4.5	3.							
3 5.3 7.1 12.64 4.5 3.89	6	LC.		12.		3.88					1		
4 4 3 8 2 12 65 4 48 3 97		LC.		12.									
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