

CRYSTAL SPECIFICATION

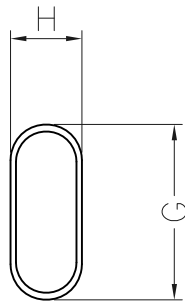
Customer : 上海旭谷國際貿易有限公司
Customer Part No. : 9SL8000030LFHAF0-QE04
Product Code : 9SL8000030LFHAF0-QE04
Description : Quartz Crystal
Nominal Frequency : 8.000 MHz
Oscillation Mode : Fundamental
Holder Type : 9S

Measure equipment

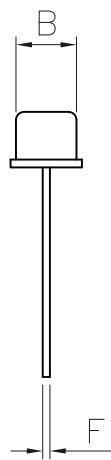
Electrical characteristics measured by Kolinker KH1240 or HP5100 equivalent.

Electrical Characteristics :

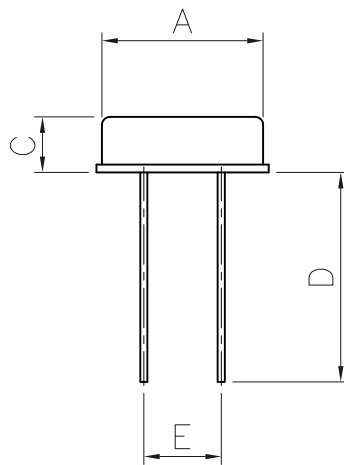
Load Capacitance	30 pF
Frequency Tolerance At 25 °C	± 50 ppm
Frequency Stability	± 100 ppm
Temperature Range	-40 ~ 125 °C
Operable Temperature Range	-45 ~ 130 °C
Aging	<± 5 ppm first year
Drive Level	50 µW
Equivalent Series Resistance	50 ohms Max.
Shunt Capacitance	7 pF Max.
Insulation Resistance	500M ohm Min at 100 VDC
Marking	8.000+LOT NO.



TOP VIEW



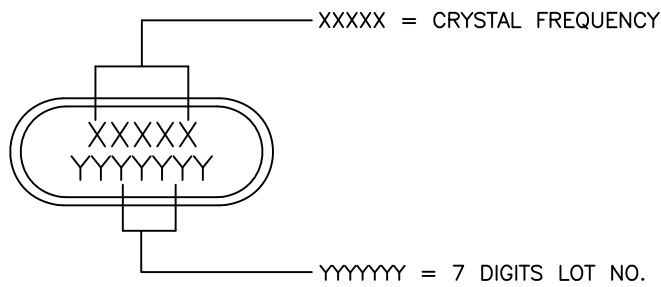
FRONT VIEW



SIDE VIEW

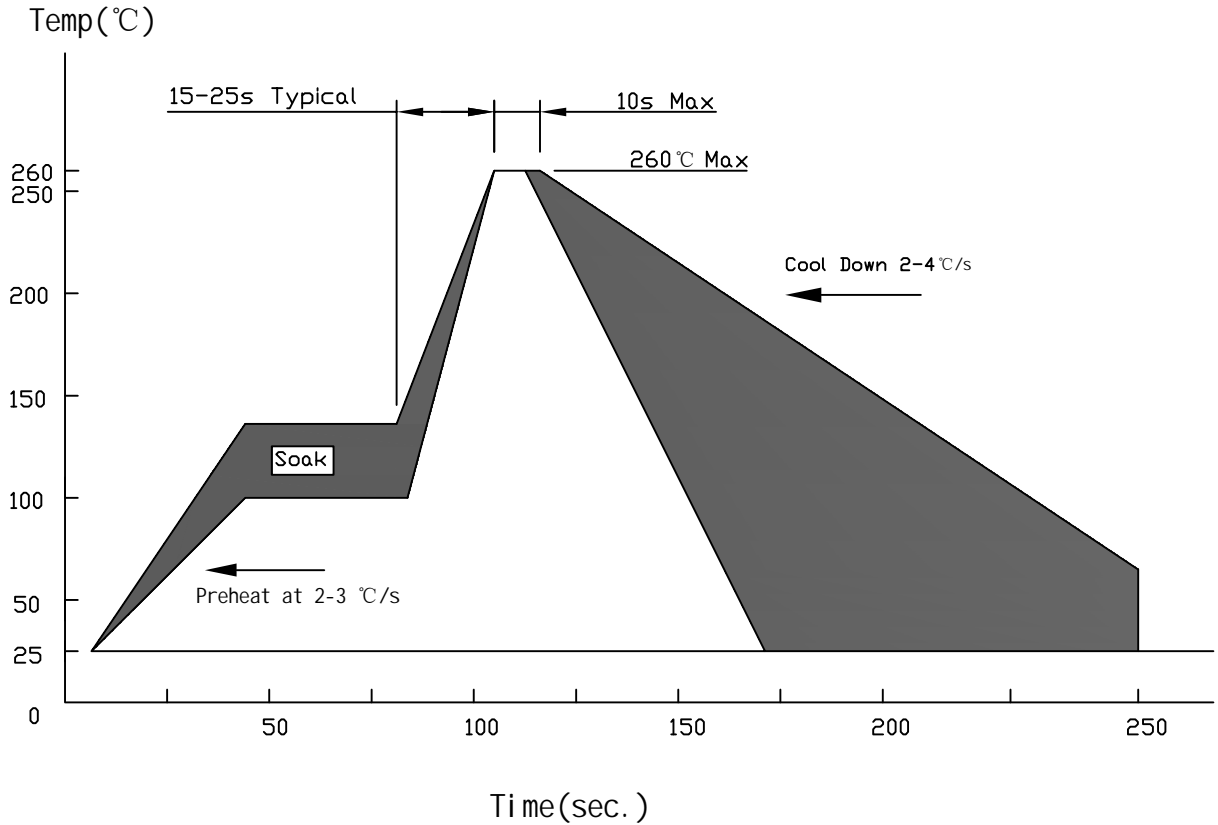
ITEM	DIMENSION	
A	10.16 Max.	
B	3.81 Max.	
C	TYPE	HEIGHT
	93	2.50 Max.
	9S	3.50 Max.
	94	4.00 Max.
D	1.LEAD LENGTH 13.2±0.5(STANDARD)	
	2.LEAD LENGTH (2.8~16)±0.5 REFER TO CUSTOMER REQUEST	
E	4.88 ±0.2	
F	0.45 ±0.05	
G	11.05 Max.	
H	4.7 Max.	

MARKING INFORMATION



49S DETAILS & MARKING INFORMATION						CREATIVE	
ITEM	QTY.	DESCRIPTION	MAT'L	HDN.	SURFACE	MAT'L SIZE	REMARK
GENERAL TOLERANCE: .X=+/-0.5 .XX=+/-0.1 XXX=+/-0.05		DATE	NAME		TITLE : HC-49US CRYSTAL		
PROPRIETARY NOTICE : THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTIES OF HKC.		DRAWN 17-03-10	Deng		PART No.: 93 9S 94 95		
		CHECK 17-03-10	Hong		DRAWING No.: 12040922		
DO NOT SCALE DRAWING		APROV. 17-03-10			SCALE: NA		SHT. 1 OF 1
ALL DIMENSIONS IN mm UNLESS OTHERWISE STATED						REV. 02	

Wave Soldering Profile



Note:

1. Only the lead wire region is exposed to high temperature
2. Ramp down rate : 4°C/ Sec. Max
3. Effective products:
 - Thru-hole AT cut 49US crystals, oscillators
 - Thru-hole ceramic resonators.

ITEM	QTY.	DESCRIPTION	MAT'L	HDN.	SURFACE	MAT'L SIZE	REMARK	
GENERAL TOLERANCE:		DATE	NAME		TITLE : Automatic Thru-hole Packages(AT/CR) typical wavesoldering profile			
X=±0.5	X°=±0.5°	DRAWN	2015-05-12					TAN
X=±0.1	X°=±0.1°	CHECK	2015-05-12					PANG
.XX=±0.05	.XX°=±0.05°	APROV.	2015-05-12					
PROPRIETARY NOTICE : THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF HKC.		HONG KONG AUTOMOTIVE XTALS LTD.			PART No.: Refer to DWG Description			
DO NOT SCALE DRAWING		ALL DIMENSIONS IN mm UNLESS OTHERWISE STATED			DRAWING No.: 13000006			
					SCALE: NA	SHT. 1 OF 1	REV. 00	