

CRYSTAL SPECIFICATIONS

CUSTOMER'S NAME : 精格 (SEKAKU) SPEC. NO : K55-002 *****CUSTOMER'S CODE : DATE : NOV . 1 . 1994
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1. GENERAL

- 1-1 HOLDER STYLE : HC-45/RV (SXD - 00001)
- 1-2 APPLICATION :
- 1-3 OSCILLATION MODE : FUNDAMENTAL
- 1-4 NOMINAL FREQUENCY : REMARKS MHz
- 1-4-1 CRYSTAL FREQUENCY : REMARKS MHz
- 1-5 FREQUENCY TOLERANCE
- 1-5-1 TOLERANCE OF CENTER FREQUENCY : +/- 20 PPM AT 25° C
- 1-5-2 CENTER FREQUENCY DRIFT : +/- 20 PPM IN 1-5.
- 1-6 OPERATING TEMPERATURE RANGE : -10 ° C TO +60 ° C.
- 1-7 STORAGE TEMPERATURE RANGE :

2. CIRCUIT

- 2-1 CIRCUIT : MEASURED IN S & A 350A
- 2-2 LOAD CAPACITANCE : 30 PF
- 2-3 DRIVE LEVEL : 0.5 mV

3. ELECTRICAL DATA

- 3-1 EQUIVALENT RESISTANCE : LESS THAN 25 OHM. (SERIES)
- 3-2 NOTIONAL CAPACITANCE C1 :
- 3-3 NOTIONAL INDUCTANCE L1 :
- 3-4 UNWANTED MODES :
- 3-5 ELECTROSTATIC CAPACITANCE: 7.0 PF (MAX).
- 3-6 INSULATION RESISTANCE : MORE THAN 500 MEG OHM AT DC 100 VOLT.
- 3-7 AGING : LESS THAN ± 5 PPM/YEAR.

4. MECHANICAL DATA

- 4-1 SHOCKING TEST : DROPPING FROM 20 cm HEIGHT 3 TIMES ON FIRM WOOD.
AFTER SHOCKING TEST ITEM 1-5-1 & 3-1 TO BE SATISFIED.
- 4-2 VIBRATION TEST: THE UNITS SHALL BE CAPABLE OF WITHSTANDING EACH 2
HOUR IN 3 DIRECTIONS 10-55 Hz AMPLITUDE 1.5 mm P-P.
AFTER VIBRATION TEST ITEM 1-5-1 & 3-1 TO BE SATISFIED.
- 4-3 SEALING TEST : WITHOUT REPETITIVE BUBBLES EMERGING FROM THE QUARTZ
CRYSTAL UNIT WHILE IT IS IMMERSED IN WATER AT A
TEMPERATURE WITHIN 90° C - 95° C AFTER 5 MINUTES.

5. MARKING : SEE THE REMARKS OR REFER TO THE ATTACHED SHEET.

6. PACKING : UNDER OUR METHOD.

REMARKS

*NOMINAL	FREQ:
14.603	MHz
19.298	MHz
20.505	MHz

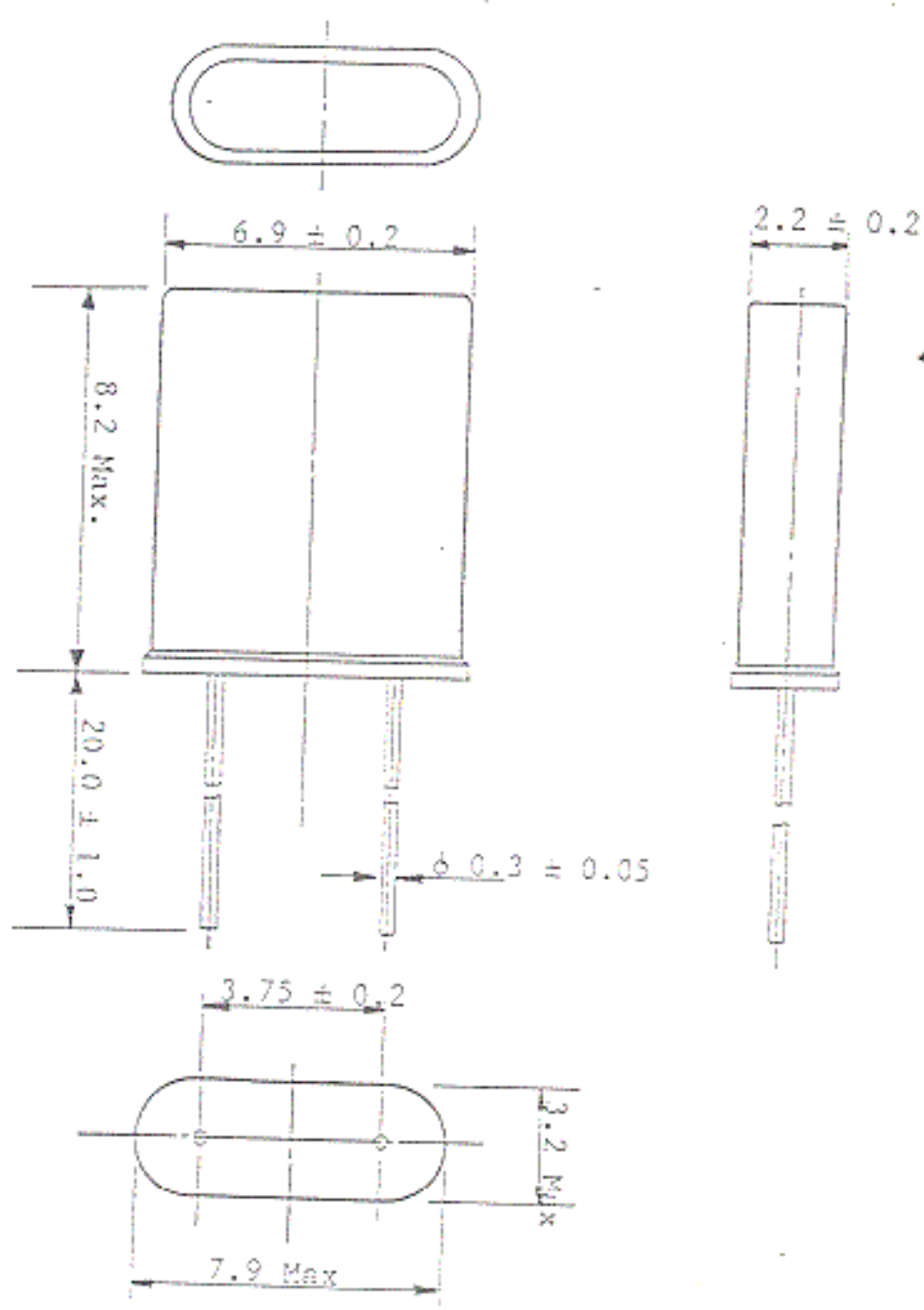
MARKING STYLE

14.503

SIVARD

SEKAKU ELECTRON IND. CO., LTD.
FCC ID: H38WT-201
EXHIBIT #: 13A

CHIEF ENGINEER : *Y. T. HSU*
Y. T. HSU
SEVARD CRYSTAL TECHNOLOGY CO., LTD.



SEKAKU ELECTRON IND. CO., LTD.
 FCC ID: H38WT-201
 EXHIBIT #: 13B

材料	日期	國名	HC - 45/RW
比例	單位	圖號	SXD - 00001
變更內容	日期	承認	(簽名) 作成 (簽名)
No	5/1	mm	希華晶體科技股份有限公司