# TXC CORPORATION

## HC-49S PRODUCT SPECIFICATIONS

***DATE:** 2001/9/10 ***FILE NUMBER:**

**I. PART NUMBER:** **6B13500053** **VER:** A

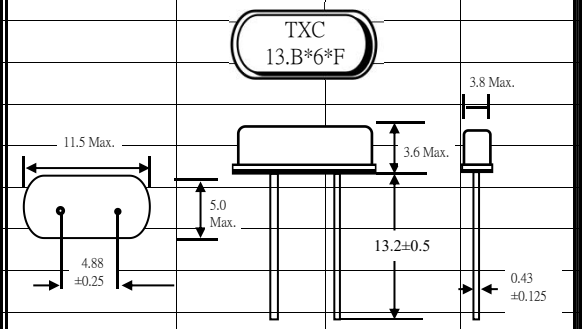
**II. OPERATION CHARACTERISTICS**

| | | |
|---|---|---|
| * 1. NORMINAL FREQUENCY: | 13.500000 | MHZ |
| * 2. MODE OF VIBRATION: | ■ FUND ☐ 3rd ☐ 5TH | |
| * 3. LOAD CAPACITANCE (CL): | 20 | pF |
| * 4. EFFECTIVE SERIES RESISTANCE | 40 | Ω(MAX) |
| * 5. SHUNT CAPACITANCE (C0): | 7 pF MAX. or pF to pF | |
| * 6. CALIBRATION TOL. (25℃): | ± 30 ppm | |
| * 7. OPERATION TEMP. RANGE: | -10 ℃～ +60 ℃ | |
| * 8. STABILITY OVER OPERATON TEMP. RANGE: | ± 30 ppm(MAX.) | |
| * 9. DRIVE LEVEL: 1 uW(MAX.) | | |
| 10. INSULATION RESISTANCE: 500MΩMin. at DC 100V. | | |

**III. OTHER:**

11. UNWANTED MODES: N/A
12. LONG TERM STABILITY :± 3ppm / Year
*13. MOTIONAL CAPACITANCE(CM): fF Min
*14.C0/CM:
15.OTHERS:

**IV. MARKING:** UNIT: mm




**V. PACKING METHOD :**

**1. PACKING:**
- ☐ TRAY (TXC STANDARD, White color)
- ☐ TRAY (Antistatic Material,___ Color)
- ☐ TAPING ON REEL
- ☐ TAPING (AMMO PACKING)
- ☐ ANTISTATIC BAG (____ Color),_____Pcs/Bag.
- ■ ZIPPER PLASTIC BAG (Clear), 200 Pcs/Bag, 5 Bag/Box
- ☐ OTHERS : _____

**2. INNER BOX :** ■ TXC STANDARD ☐ OTHERS

**VI. RELIABILITY SPECIFICATIONS:(OTHERS REFER TO TXC QA SPEC.)**

1. HERMETIC SEAL:LESS THAN $1\times10^{-8}$ atm cc/sec.
2. MARKING PERMANENCY : Per MIL-STD-202,Method 215.
3. DROP TEST: Free dropping 3times, at 50cm height, drop on 3cm hard wood.
4. SOLDERABILITY: 95% coverage by using 63/37 solder at 245℃ for 5 sec. dipping.
   after immersion in Alpha 611 flux for 5sec.

***REMARK: *** ☐ NO MARKING ■ MARKING

REVISION AND ENGINEERING CHANGE RECORDS

| Ver. | Description of Change | Date | Approved | Check | Present |
|---|---|---|---|---|---|
| A | INITIAL RELEASED | 2001/9/10 | | | |
| B | | | | | |
| C | | | 江盛銃 | 王宣慶 | 柯淑貞 |