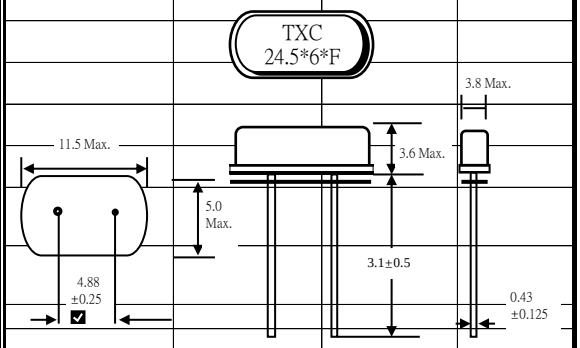
TXC CORPORATION

HC-49S PRODUCT SPECIFICATIONS

***DATE:**	2003/8/8				***FILE NUMBER:**		
I. PART NUMBER:		**6B24500523**				**VER:**	B
II. OPERATION CHARACTERISTICS							
* 1. NORMINAL FREQUENCY:		24.576000	MHZ				
* 2. MODE OF VIBRATION:		■ FUND □ 3rd □ 5TH					
* 3. LOAD CAPACITANCE (CL):		20	pF				
* 4. EFFECTIVE SERIES RESISTANCE		20	Ω(MAX)				
* 5. SHUNT CAPACITANCE (C0):	7 pF MAX. or pF to pF						
* 6. CALIBRATION TOL. (25℃):	± 30 ppm						
* 7. OPERATION TEMP. RANGE:	0 ℃～ + 70 ℃						
* 8. STABILITY OVER OPERATON TEMP. RANGE:	± 30 ppm(MAX.)						
* 9. DRIVE LEVEL: 1 uW(MAX.)							
10. INSULATION RESISTANCE: 500MΩMin. at DC 100V.							
III. OTHER:				IV. MARKING: UNIT: mm			
11. UNWANTED MODES: N/A							
12. LONG TERM STABILITY :± 3ppm / Year							
*13. MOTIONAL CAPACITANCE(CM): fF Min							
*14.C0/CM:							
15.OTHERS:							
套SPACER(T=0.125mm)2106000571							
剪腳腳長=3.1+/-0.5mm							



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.				
	■ OTHERS : ZIPPER PLASTIC BAG (Clear), 200 Pcs/Bag,PUT IN BUBBLE BAG, 5 Bag/Box.				
2. INNER BOX :	■ TXC STANDARD	□ OTHERS _____			
VI. RELIABILITY SPECIFICATIONS:(OTHERS REFER TO TXC QA SPEC.)					
1. HERMETIC SEAL:LESS THAN 1×10^{-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	2003/5/19			
B	SPACER CHANGE	2003/8/8			
C			JOSEPH	王宣慶	柯淑貞

依頻率訂定一般電氣規格要求如下: (註 : 如規格另有特殊規定，則依"外製成品49S"規格書）

1.) FDLD & DLD2規格 如下:

Frequency Range	FDLD製規	DLD2製規	FQC / IQC DLD2規格
Fundamental	(ppm) Max.	(Ohms) Max.	(Ohms) Max.
4MHz(不含)以下	10	15	15 Ω (10+10*50%)
4MHz(含) ~ 8MHZ(含)	10	20	30 Ω (20+20*50%)
8MHz(不含)~18MHz(含)	10	10	15 Ω (10+10*50%)
18MHz(不含)~以上	15	12	15 Ω (10+10*50%)
3rd Overtone			
24MHz~100MHz	10	20	30 Ω (20+20*50%)
			(FDLD 允收: 15ppm max.)

2.) DLD POWER 至少設定 0.1、1、 10、 50、 100 uW

3.) Spurious規格修訂如下:

Frequency Range	Spurious spec.
Fundamental	Search Range(-5000~+5000ppm)
20MHz(含)以下	-3.0 dB Max.
20MHz(含)以上	-3.0 dB Max.
3rd Overtone	
24MHz~60MHz	-3.5 dB Max.
60MHz~100MHz	-3.0 dB Max.

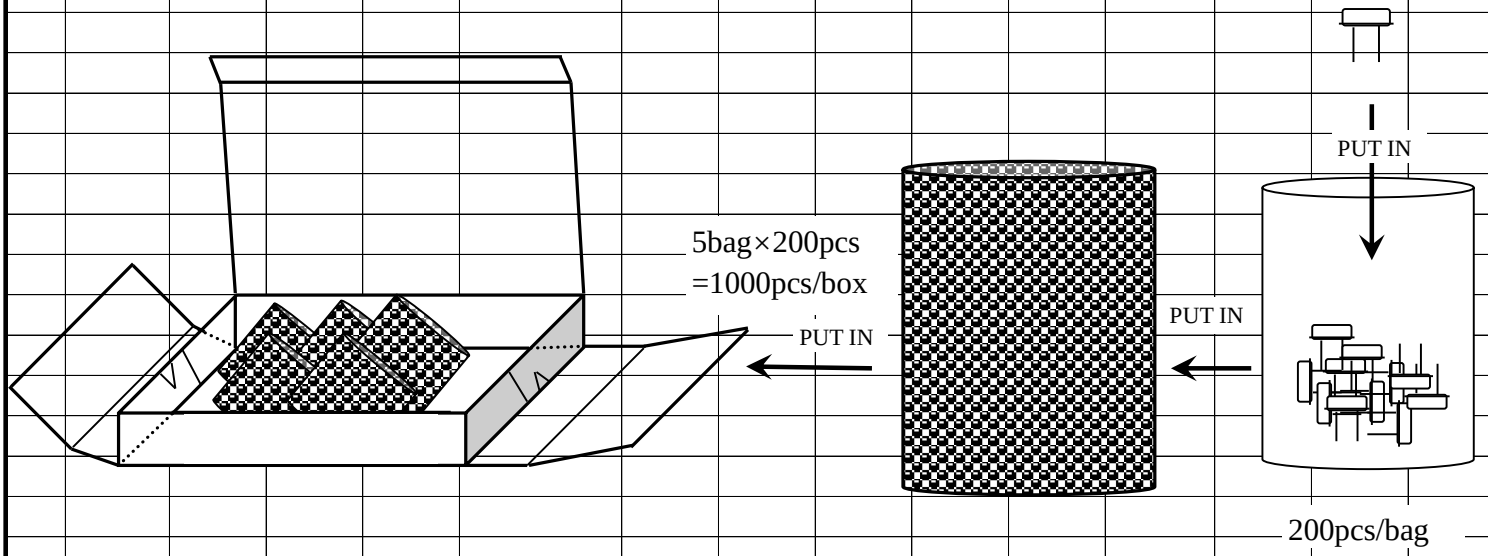
4.) TXC IQC 抽樣檢驗DLD2依MIL-STD-105E Level Ⅱ& Single sampling plans ：

a.)2003/4/24~6/30 依照AQL 0.4允收。

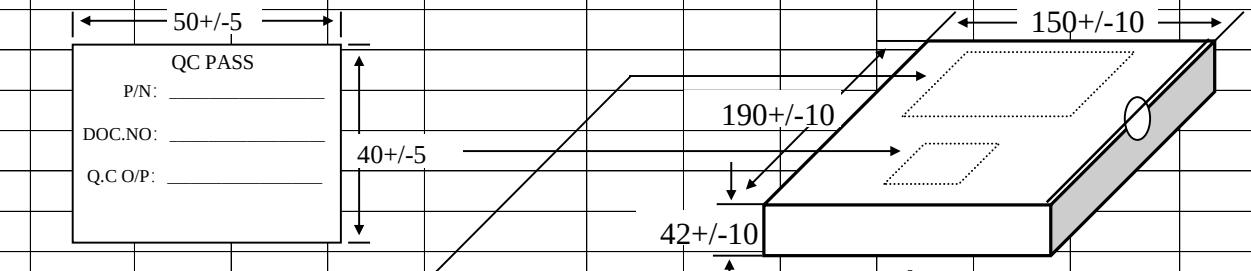
b.)2003/7/1 起依照AQL 0.1允收。

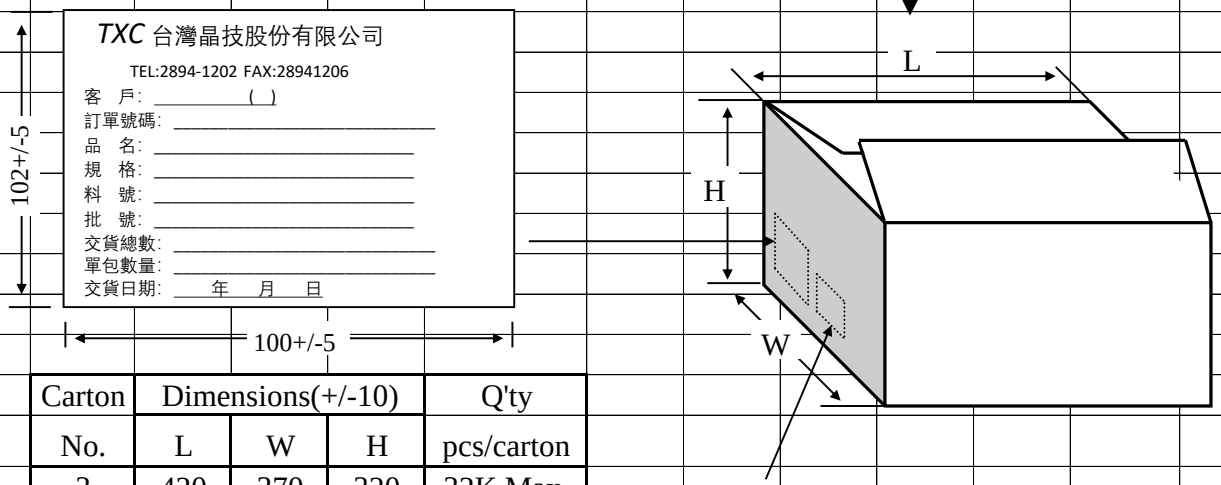
SPECIFICATIONS

1.INNER BOX：

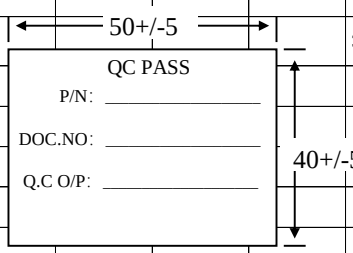


2.LOGO STICKER(CARTON and INNER BOX)





Carton	Dimensions(+/-10)			Q'ty
No.	L	W	H	pcs/carton
3	420	370	320	32K Max.
4	390	340	290	22K Max.
5	360	310	260	19K Max.
6	330	280	230	12K Max.
7	300	250	200	10K Max.
8	270	220	170	6K Max.



 # (1) Put in stuff between space.
(2) Tie Up the Carton with 4 Packthreads.

Verion	B	Revised	A	FOR TXC CUSTOMER ONLY	*All units used mm
			B	STICKER CHANGE	
Date	2001/6/21	records			Prepared by: Shu-Chen Ko
Issued by	M.E.Department	Hold Type	HC-49/S (C)		Approved by: Simon Wang

TXC CORPORATION