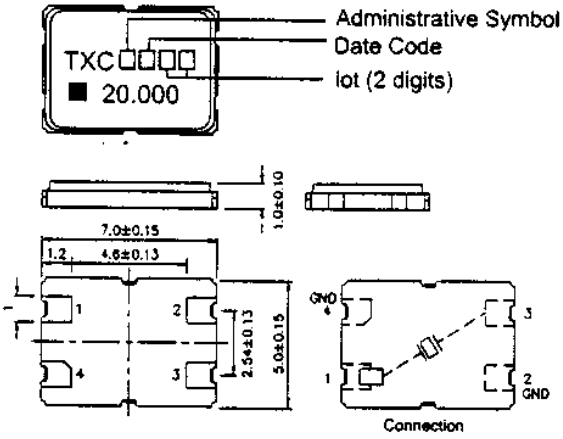
PURCHASE SPECIFICATIONS

Product : **SMD SEAM X'TAL**	TXC P/N **6P20000066**	Ver. C

Electrical Characteristic :

	1. Norminal Frequency	20.000000	MHz	
	2. Oscillation Mode	Fundamental		
	3. Load Capacitance	18	pF	
[C]	4. Tolerence @ 25 Degree	± 27	ppm	Max.
	5. Stability over Operation Temp.	± 30	ppm	Max.
	6. Operation Temperature Range	-10 ~ +70	℃	
[C]	7. Effective Series Resistance	27	Ω	Max.
	8. Drive Level	100	uW	Max.
	9. Shunt Capacitance	5.0	pF	Max.
	10. Aging	3	ppm / year	
	11. Insulation Resistance	500M	Ω	
	12. Storage Temperature Range	-55 ~ +125	℃	
	13. Others (1) DLD 2	10	Ohms Max. DL:0.1 , 0.5 , 1 , 5 , 10 , 50 , 100uW (7 point)	
	(2) FLD 2	10	ppm Max. DL:0.1 , 0.5 , 1 , 5 , 10 , 50 , 100uW (7 point)	
	(3)			
	(4)			
	(5)			
	14. Taping	By Tape & Reel , 1,000 pcs / Reel , PER EIA-481-2		
	15. Marking	Note:		



1. Date code :

month / year		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2001	2005	A	B	C	D	E	F	G	H	J	K	L	M
2002	2006	N	P	Q	R	S	T	U	V	W	X	Y	Z
2003	2007	a	b	c	d	e	f	g	h	j	k	l	m
2004	2008	n	p	q	r	s	t	u	v	w	x	y	z

This date code will be cycling four years.

2. Please provide 20pcs electrical & temperature data for each lot.
3. Mark [C] is critical parameter.

Inspection Standard and Method SAMPLING PLAN : MIL-STD-105E SINGLE SAMPLING

Inspection Item	SPECIFICATION	TEST METHOD	AQL
1. Electrical Characteristics	As Specificaitons	Electrical Tester	Maj . : 0.1% , Min . : 1. 0%
2. Gross Leakage	1 x 10 Exp (-4) atm c.c. / sec Max.	Leakage Tester	Maj . : 0.01%
3. Fine Leakage	1 x 10 Exp (-8) atm c.c. / sec Max.	Leakage Tester	Maj . : 0.01%
4. Marking	As Specificaitons	10 X Magnifier	Maj . : 0.1% , Min . : 1.0%
5. Appearance Check	As Golden Sample	10 X Magnifier	Maj . : 0.1% , Min . : 1.0%

Engineering Change Record

Ver	Description of Change	ECN	Prepare	Present	Approve	Date
A	Initial release		Robert	Robert	Shipo	9-Jun-99
B	Marking Change		Robert	Robert	Shipo	13-Dec-99
C	Marking Change			黃國端		4-Feb-04
D						

TXC-DCC COMPONENTS DIVISION FEB 2 4 2004 RELEASED 發行

產品工程 93. 2. 24 發行

QA :

Issue Date:02.03'04 VER.A