PURCHASE SPECIFICATIONS

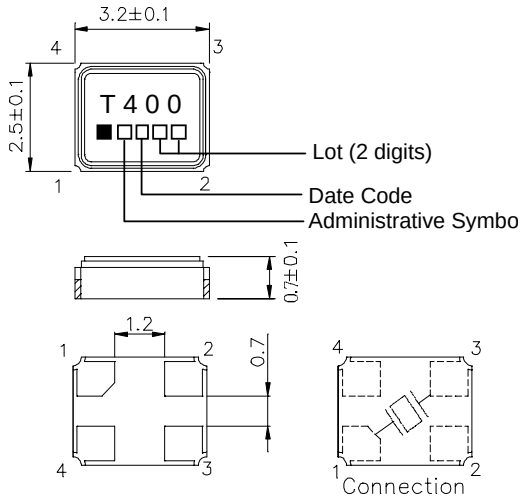
Product ： **SMD SEAM X'TAL**	TXC P/N **7M40000004**	Ver. A

Electrical Characteristic :

	1. Nominal Frequency	**40.000000**	MHz
	2. Oscillation Mode	**Fundamental**	
	3. Load Capacitance	**15**	pF
[C]	4. Tolerance @ 25 Degree	± **9**	ppm
	5. Stability over Operation Temp.	± **9**	ppm
	6. Operation Temperature Range	**-10~+85**	°C
[C]	7. Effective Series Resistance	**20**	ohms Max.
	8. Drive Level	**100**	uW Typ. into 15 ohms
	9. Shunt Capacitance (C0)	**0.8±0.2**	pF (0.6~1.0)
	10. Aging	**± 2**	ppm / year
	11. Insulation Resistance	**500M**	ohms Min.
	12. Storage Temperature Range	**-55 ~ +125**	°C
	13. Others (1) DLD 2*	**5.0**	ohms Max. (0.01~50uW/15 point)
	(2) DLD 2	**9.0**	ohms Max.
	(3) FLD 2	**7.5**	ppm Max.
	(4) RLD2	**20.0**	ohms Max.
	(5) DLDH2	**2.0**	ohms Max.
	(6) FDLDH	**2.0**	ppm Max.

DL:0.01,0.03,0.05,0.08,0.1,0.3,0.5,0.8,1,3,5,8,10,30,50,80,100,
100,80,50,30,10,8,5,3,1,0.8,0.5,0.3,0.1,0.08,0.05,0.03,0.01uW (34 points)

	(7) Pulling Sensitivity (TS)	**5.7±20%**	ppm/pF (4.56~6.84)
	(8) SPDB(+/-5000ppm)	**-3.0**	dB Max.
	(9) Electrode Plating	**Ag/Cr or Alloy**	
	(10) Conductive adhesive	**Undercoat + Upcoat (上,下塗佈)**	
	14. Taping	By Tape & Reel , 3,000 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
2009	2013	A	B	C	D	E	F	G	H	J	K	L	M
2010	2014	N	P	Q	R	S	T	U	V	W	X	Y	Z
2011	2015	a	b	c	d	e	f	g	h	j	k	l	m
2012	2016	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.
4. QC允收: -10°C~85°C/+/- 15ppm

Inspection Standard and Method SAMPLING PLAN : MIL-STD-1916 SINGLE SAMPLING

Inspection Item	SPECIFICATION	TEST METHOD	AQL
1. Electrical Characteristics	As Specifications	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 Specifications	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	- - - - - - -	Shu-Chen Ko	Simon Wang	Y.H.Huang	7-Jun-12
B						
C						
D						

QA： Y.H.Huang