



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.

TEL: 886-3-4690038 FAX: 886-3-4697532

E-mail: ttsales@mail.taisaw.com Web: www.taisaw.com

Approval Sheet For Product Specification

Issued Date: 12/2/2004 (REV NO.: 1)

Product Name: SMD 5.0x4.0 DAB VCO

TST Parts No.: TV0113A

Customer Parts No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Ryan Huang

Approval by: _____ TF Yang

Date: _____ 12/2/2004



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SMD 5.0x4.0 DAB VCO

MODEL NO.: TV0113A

REV. NO.:1

Description and Applications:

Part will serve as VCO for DAB.

RoHS Compliant

Lead-free soldering

Conditions:

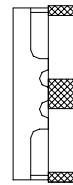
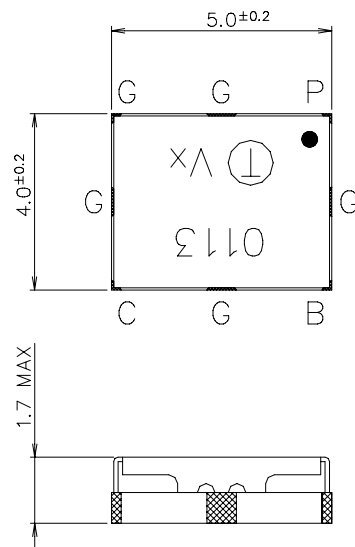
Parameter	Symbol	Limits			Units
		min.	typ.	max.	
Supply Voltage	V_{cc}	2.7	2.8	2.9	V
Control Voltage Range	V_t	0.5	1.35	2.2	V
Load Impedance	-	-	50	-	Ohm
Temperature Range	-	-40	25	85	°C

Electrical Specifications:

For different applications, the specification change is possible. Please contact TST sales representative or application engineer for your requirement.

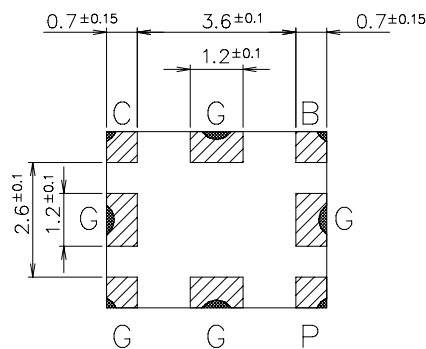
Parameter		Condition	Limits			Units
			min.	typ.	max.	
Current Consumption	23+3 deg.C	-	-	-	10	MA
Operation Frequency Range	-40~+85 deg.C	-	1230	-	1290	MHz
Control Voltage Sensitivity	23+3 deg.C	-	55	65	75	MHz/V
Output Level	23+3 deg.C	-	-3	0	3	DBm
C/N	23+3 deg.C	100 KHz sep.	105	-	-	dBc/Hz
Pushing Figure	23+3 deg.C	$V_{cc}=2.8\pm0.1$ V, ref $V_{cc}=2.8$ V	-1	-	1	MHz
Pulling Figure	23+3 deg.C	VSWR=2.0 for all phase, ref:50Ohm	-2	-	2	MHz
Harmonics (2fo, 3fo)	23+3 deg.C		-	-	-15	dBc
Control Voltage Input Capacitance	23+3 deg.C		-	-	50	pF

Mechanical Dimensions (mm):



Terminal Configuration

B: DC Power Supply
C: Frequency Control
P: Output
G: Ground



Terminals

 Gold Plating
 Solder

Marking:

Line 1: TST P/N (0113)

Line 2: TST Logo + VCO Product Code + Date Code

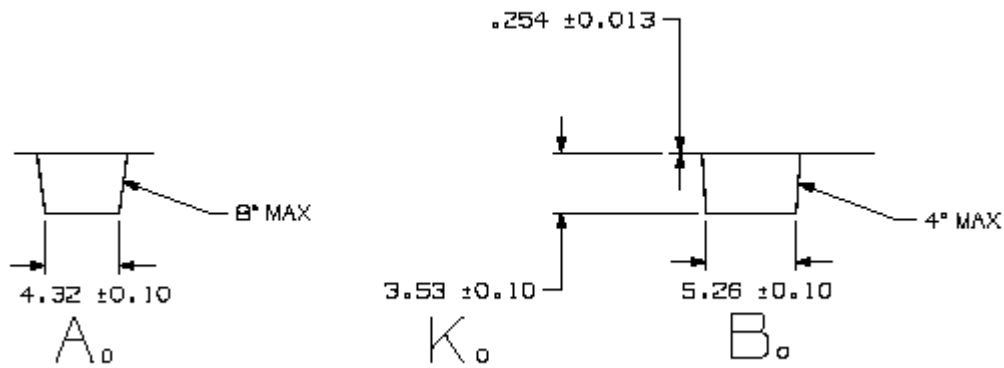
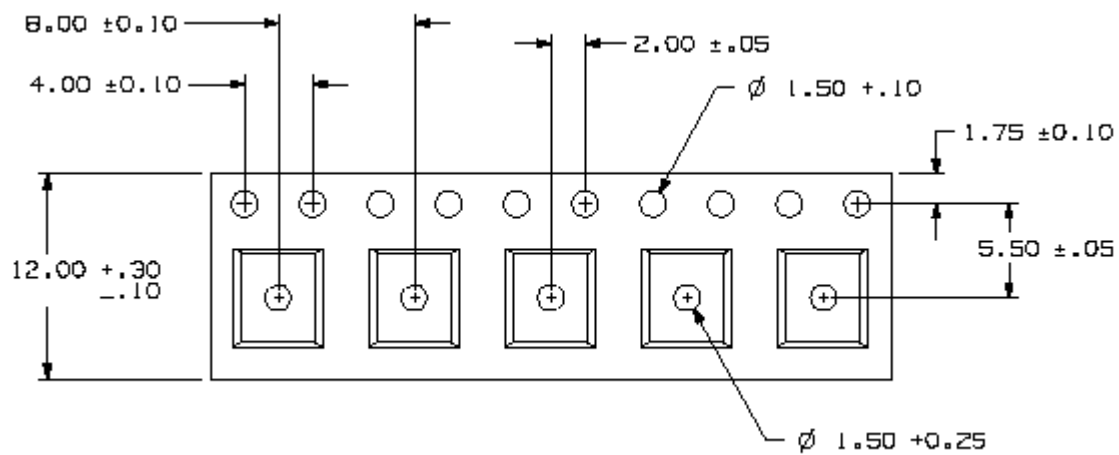
Product Code Table:

Year	2001 2005	2002 2006	2003 2007	2004 2008
Product Code	V	v	<u>V</u>	<u>v</u>

Date Code Table:

WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45	WK46	WK47	WK48	WK49	WK50	WK51	WK52
n	o	p	q	r	s	t	u	v	w	x	y	z

Tape & Reel & Orientation:



[NOTE]

1. UNIT : MM.
2. UNLESS OTHERWISE SPECIFIED TOLERANCE ON DIM. $\pm 0.1\text{MM}$.
3. MATERIAL : CONDUCTIVE POLYSTYRENE.
4. COLOR : BLACK.
5. 10 PITCH CUMULATIVE TOLERANCE $\pm 0.2\text{MM}$.