



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet for Product Specification

Issued Date:

Product Name: 243.95 MHz PHS IF SAW Filter (SMD 3.0×3.0 mm)

TST Parts No.: TB0252B

Customer Parts No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Andy Lee

Approval by: _____ Francis Chen

Date: _____ 2006/9/04



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243.95 MHz PHS IF SAW Filter (SMD 3.0×3.0 mm)

Model No.: TB0252B

Rev. No: 3.0

1. Maximum Rating:

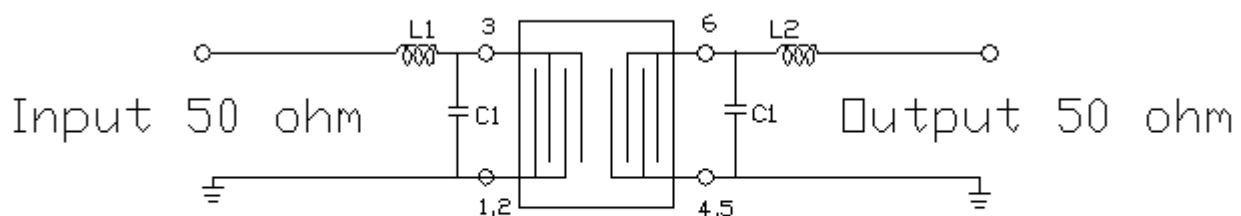
1. Input Power Level: +5dB_m
2. Operating Temperature: -10°C to +60°C
3. Storage Temperature: -30°C to +85°C
- 4.ESD(MM):60V

RoHS Compliant
Lead free
Lead-free soldering

2. Electrical Characteristics:

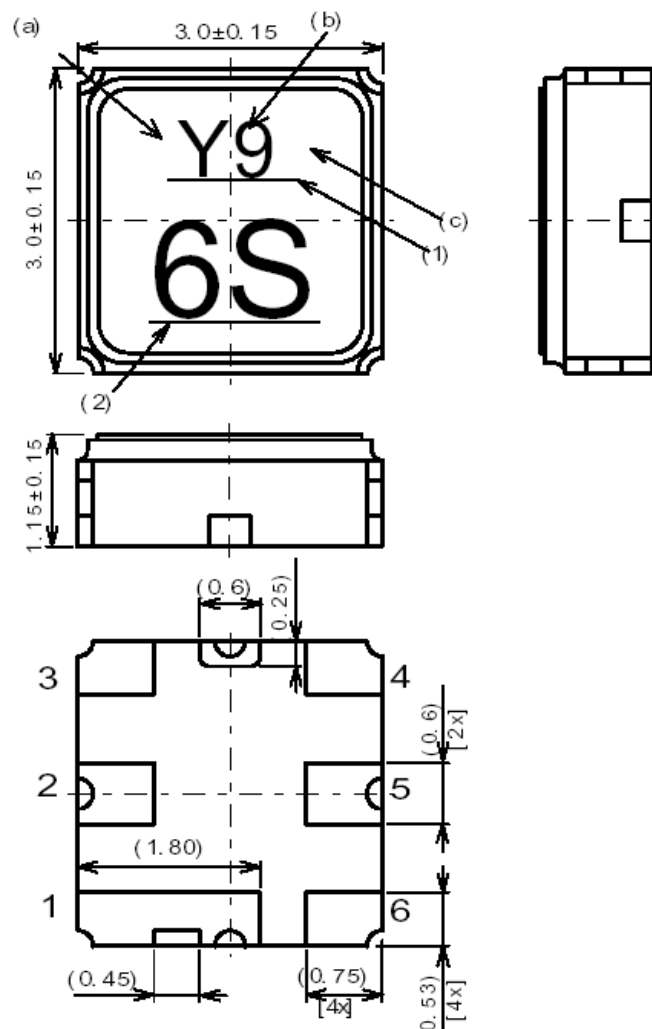
Parameters	Unit	Min.	Typical	Max.
Nominal Center frequency, Fo	MHz	-	243.95	-
Insertion Loss at Fo	dB	-	3.0	4.0
3 dB Bandwidth	KHz	-	260	-
Amplitude ripple, Fo ± 100 KHz	dB		0.45	1.0
Group delay ripple, Fo ± 100 KHz	μsec	-	0.45	1.0
Attenuation:				
Fo ± 600 KHz	dB	25	30	-
Fo ± 10.7 MHz	dB	40	60	-
Fo ± 21.4 MHz	dB	60	65	-

3. Measurement Circuit:



$$L1=L2=110\text{nH} \quad C1=C2=2\text{pF}$$

4. Outline Drawing:



Pin 3 : RF Input

Pin 6 : RF Output

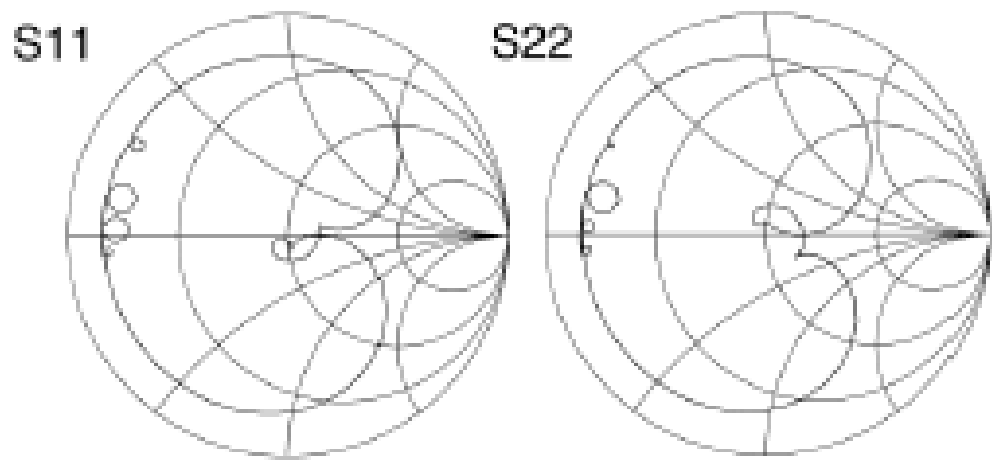
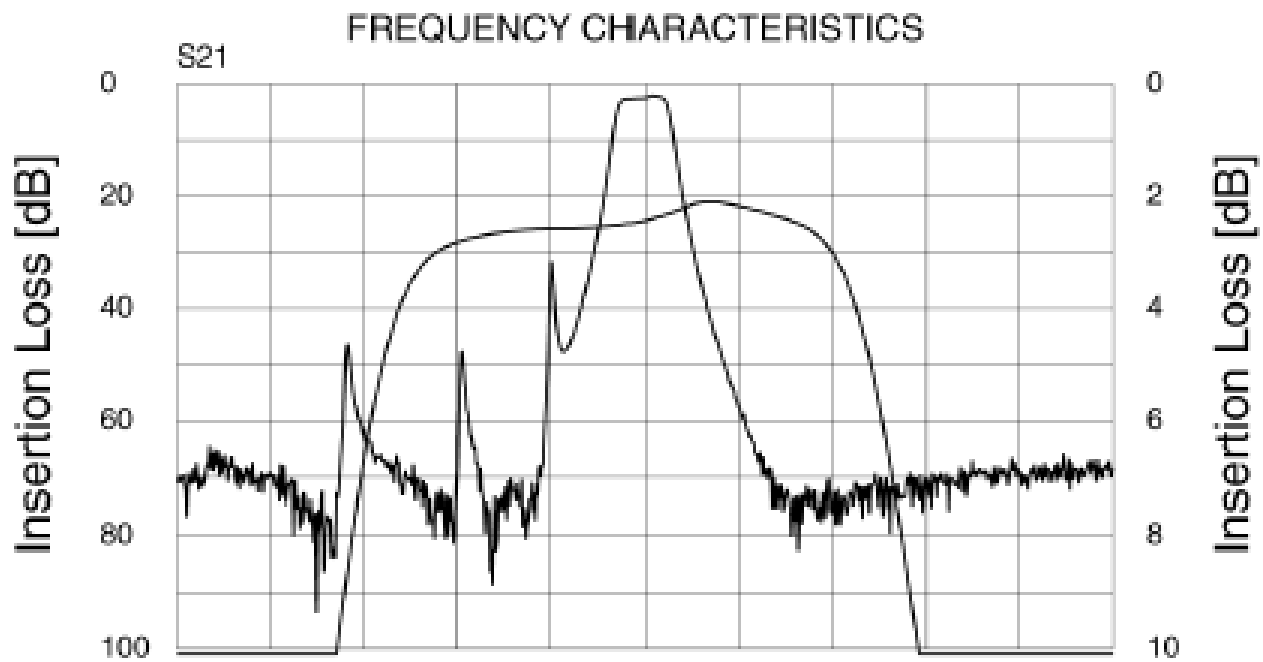
Pin 1,2,4,5 : To be Ground

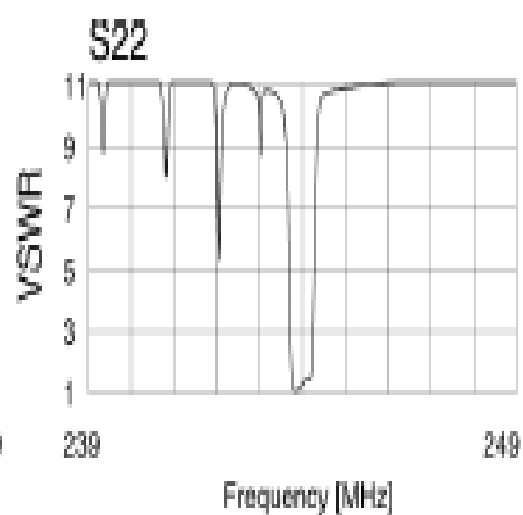
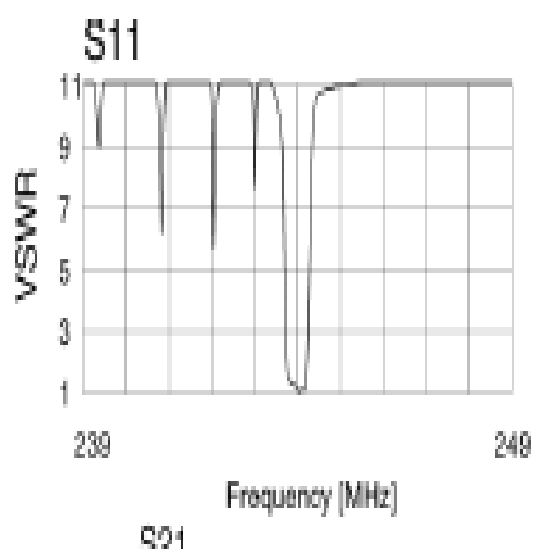
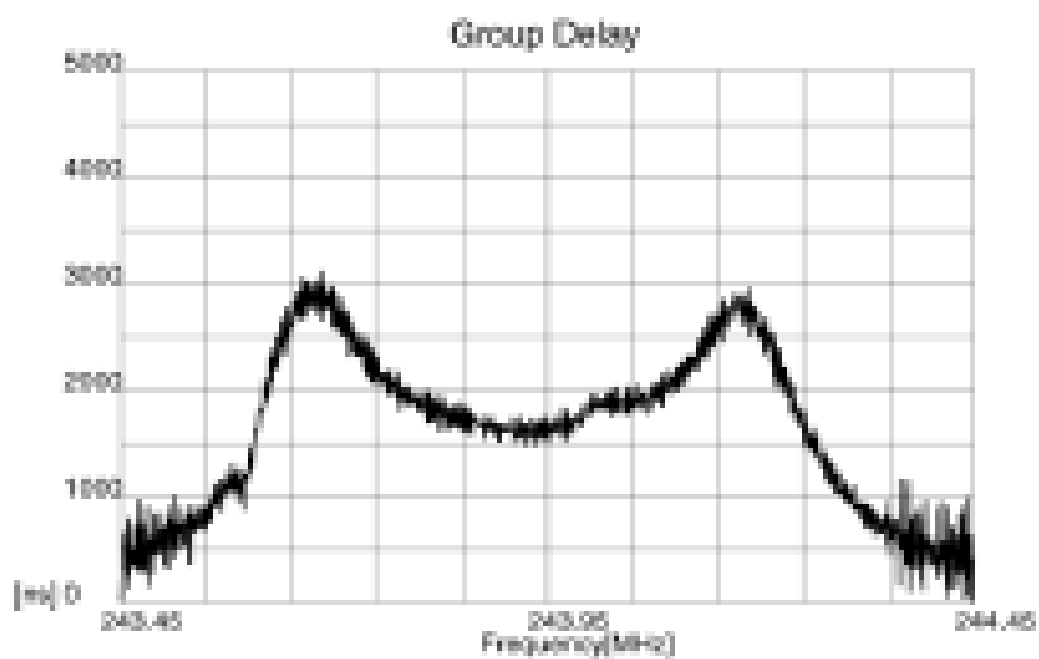
◇: Last digit of the year (2006->6 2007->7, ...)

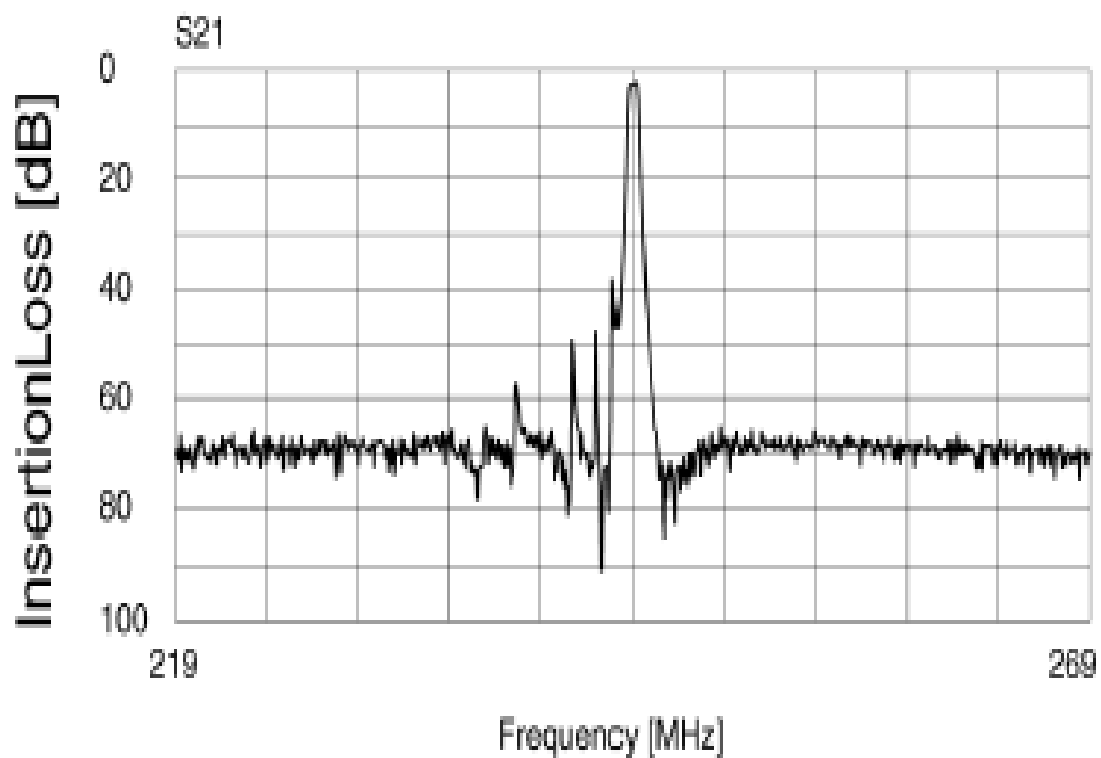
□ : Date Code (Follow the table from planner each year)

Unit : mm

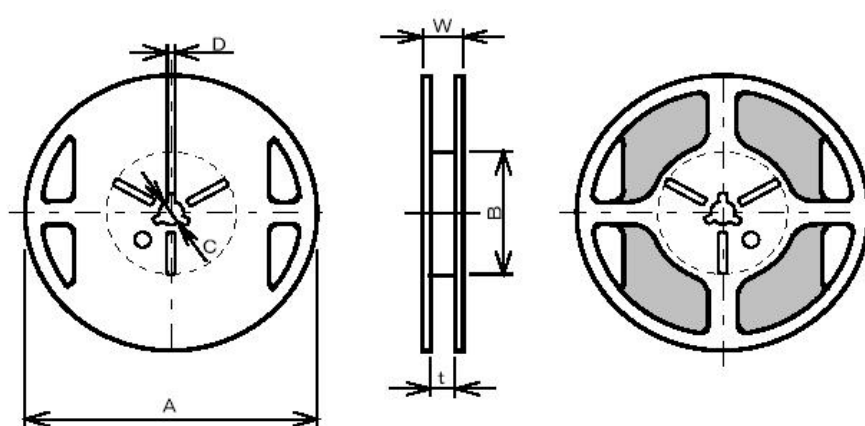
5. Frequency Characteristics:







5. Reel Dimension:



Reel size

A :	$\phi 180.0 + 0, -1.5$
B :	$\phi 60.0 + 1.0, -0$
C :	$\phi 13.0 \pm 0.2$
D :	2.0 ± 0.5
t :	$9.0 + 0.3, -0$
W :	11.4 ± 1.0

Unit:mm

5. Tape Dimension:

