



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: tstsales@mail.taisaw.com Web: www.taisaw.com

Approval Sheet For Product Specification

Issued Date:

Product Name: SAW IF Filter 112.32MHz

TST Parts No.: TB112EE

Customer Parts No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Asin Lin

Approval by: _____ Francis Chen

Date: _____ 2.4 ,2005



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SAW Filter 112.32 MHz

MODEL NO.: TB112EE

REV. NO.:3

A. MAXIMUM RATING:

1. Input Power Level : 0 dBm
2. DC Voltage Vdc: 10V
3. Operating Temperature: -10°C to 65°C
4. Storage Temperature: -40°C to 85°C

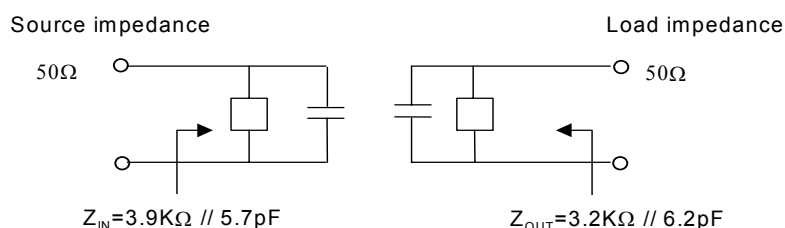
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Item	Unit.	Min.	Type.	Max.	Note
Center frequency, F_c	MHz	-	112.32	-	1
Insertion Loss, IL	dB	-		12.5	
Passband width, BW₃	MHz	1.1		-	1
Group delay ripple in $F_c \pm 0.55\text{MHz}$, GDT	nS	-		200	
Attenuation:(Reference level from Min IL)					
$F_c - 5.184$ to -3.456MHz	dB	40		-	1
$F_c - 3.456$ to -1.728MHz	dB	34		-	1
$F_c - 1.728$ to -1.44MHz	dB	18		-	1
$F_c + 1.44$ to $+1.728\text{MHz}$	dB	18		-	1
$F_c + 1.728$ to $+3.456\text{MHz}$	dB	34		-	1
$F_c + 3.456$ to $+5.184\text{MHz}$	dB	40		-	1
Impedance at F_c Input $Z_{IN}=R_{IN}/C_{OUT}$	$3.9\text{K}\Omega // 5.7 \text{ PF}$				2
Output $Z_{OUT}=R_{OUT}/C_{OUT}$	$3.2\text{K}\Omega // 6.2 \text{ PF}$				2

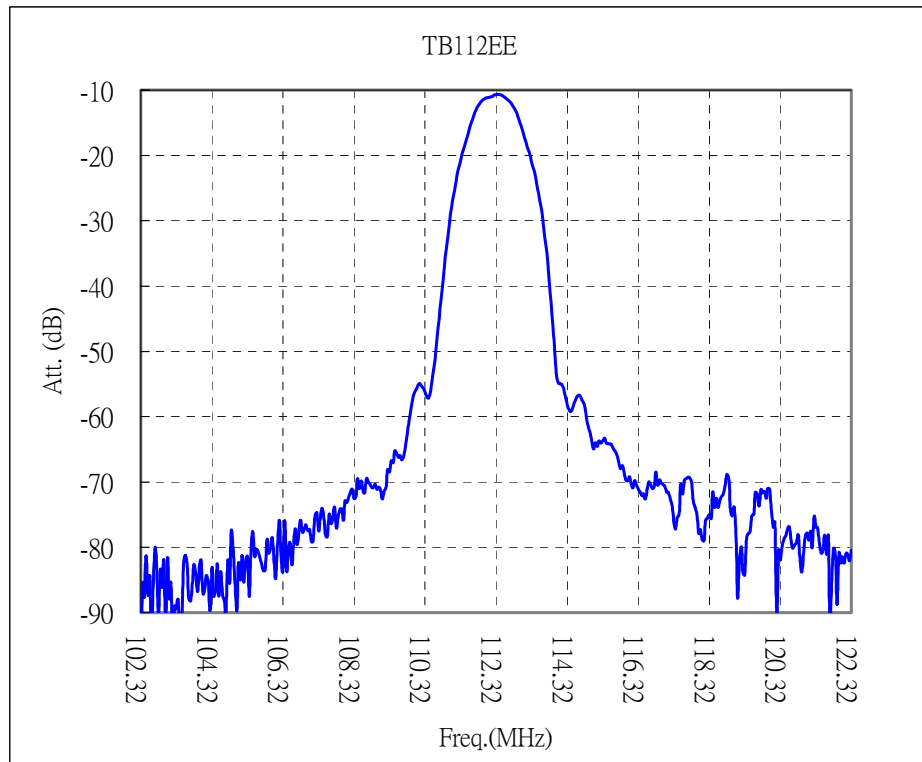
Note1.The standard definitions is in JIS C 6703

Note2.

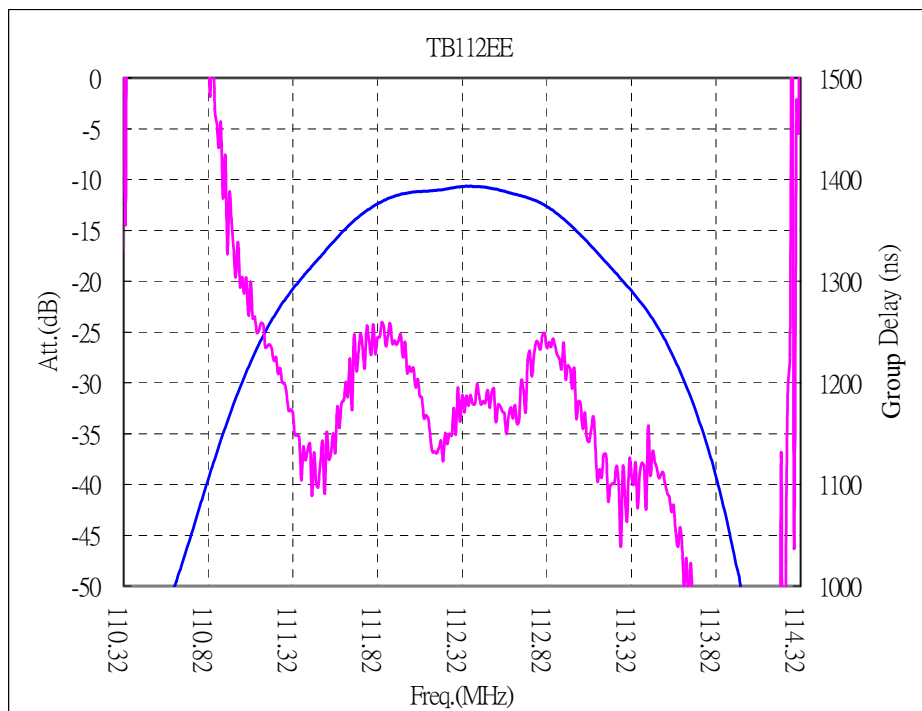


C. FREQUENCY CHARACTERISTICS:

(1) Frequency Response:

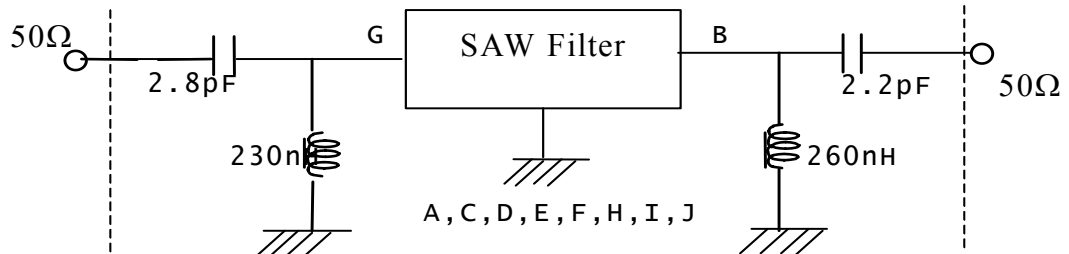


(2) Amplitude ripple & Group Delay:

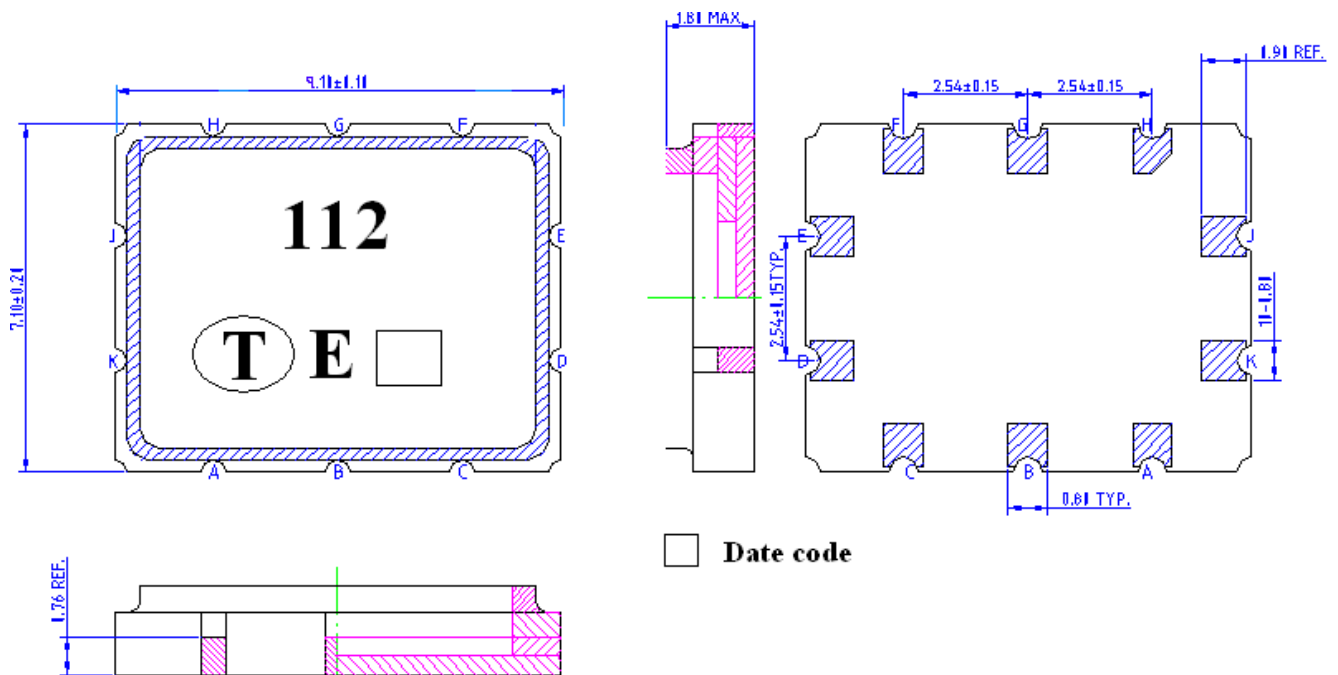


D. MEASUREMENT CIRCUIT:

Network analyzer

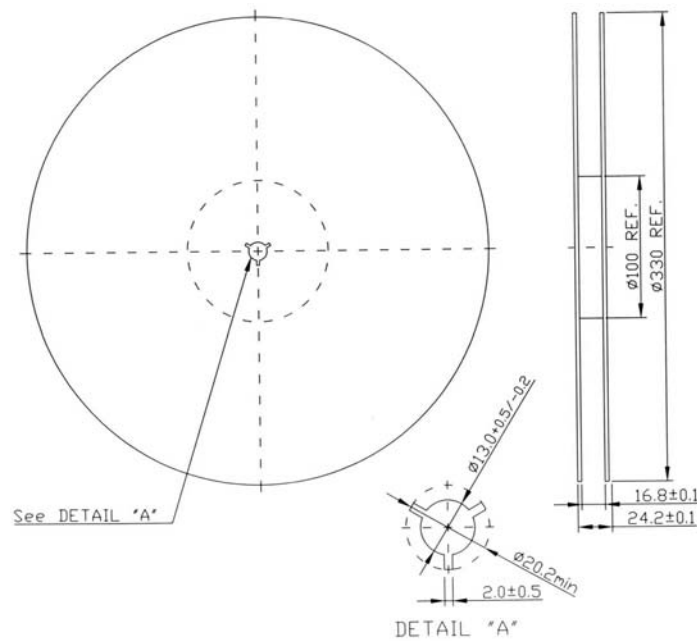


E. OUTLINE DRAWING:

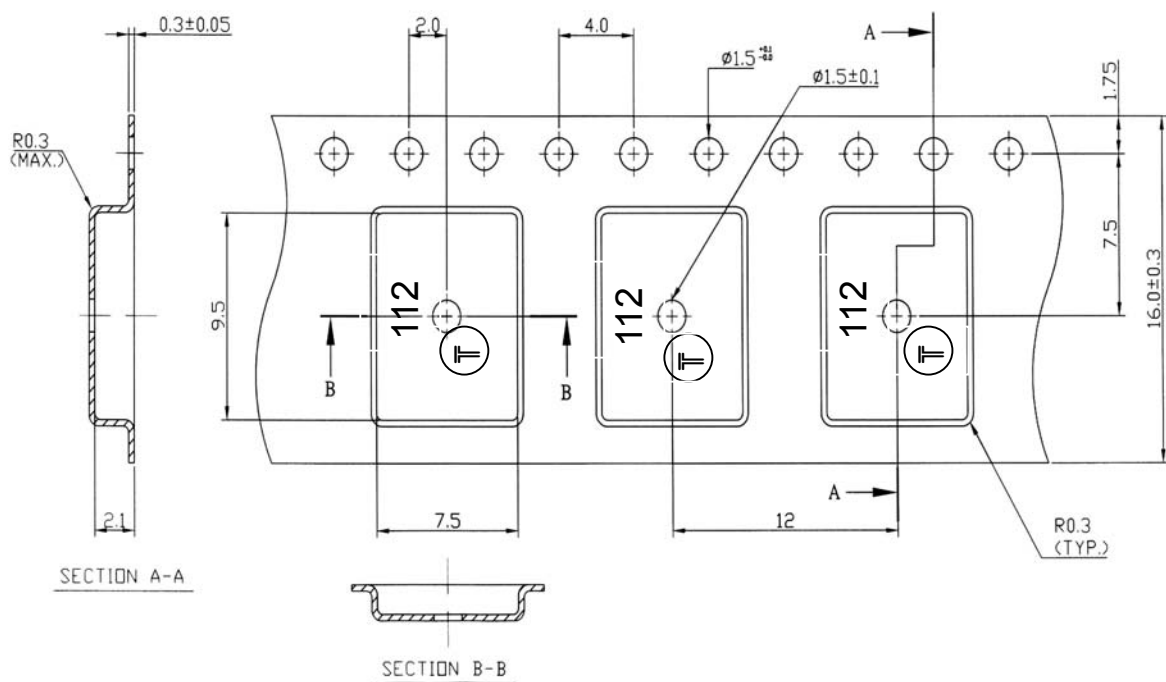


F. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



Direction of feed