



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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Approval Sheet For Product Specification

Issued Date:

Product Name: SAW Filter 40MHz SMD 7.0×5.0 mm

TST Parts No.:TB0318A

Customer Parts No.: _____

Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: _____ Andy Lee

Approval by: _____ Francis Chen

Date: _____ 2005/08/12



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SAW Filter 40 MHz

MODEL NO.: TB0318A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m
2. DC voltage: 5 V
3. Operating Temperature: -20°C to +85°C
4. Storage Temperature: -40°C to +85°C

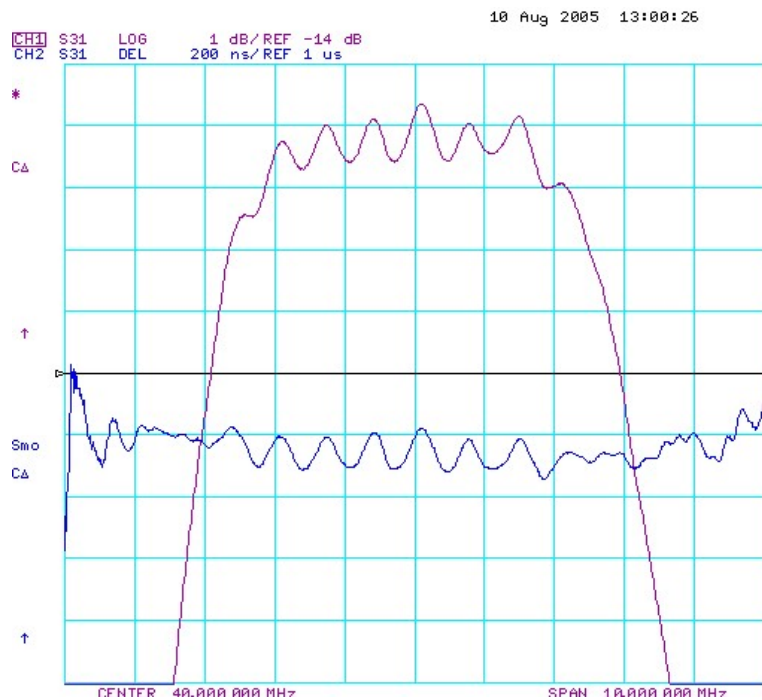
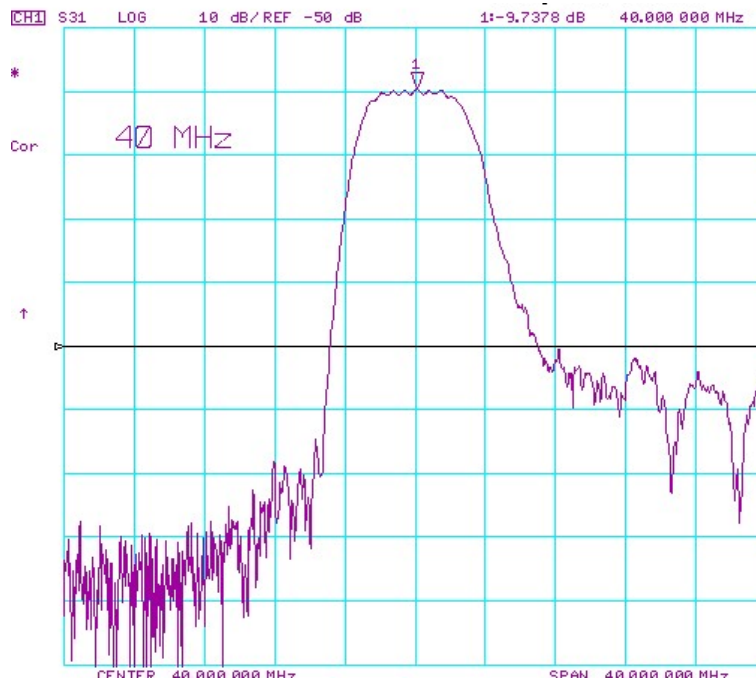
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

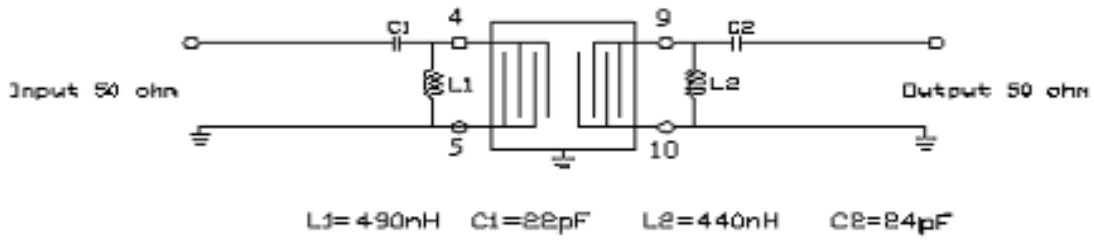
Item		Specification			
		Unit	Min.	Typ.	Max.
Center Frequency	F _c	MHz	-	40	-
Insertion Loss	IL _{min} dB	dB	-	9.0	12.0
3dB Bandwidth		MHz	3.5	5.0	-
Passband Ripple (F _c -1.75MHz~F _c +1.75MHz)		dB		1.2	2.0
Group Delay Ripple (F _c -1.75MHz~F _c +1.75MHz)		nS		190	250
Stopband Attenuation(reference to IL _{min} dB)					
F _c ±5MHz		dB	20	35	-
27.5~32.5MHz		dB	31	42	-
47.5~52.5MHz		dB	31	42	-
0~30 MHz		dB	35	71	-
50~70 MHz		dB	35	43	-

Note: IL_{min} is the minimum of the pass band attenuation. The center frequency F_c is the mean value of the upper and lower frequencies at the 3dB filter attenuation level relative to the IL_{min}.

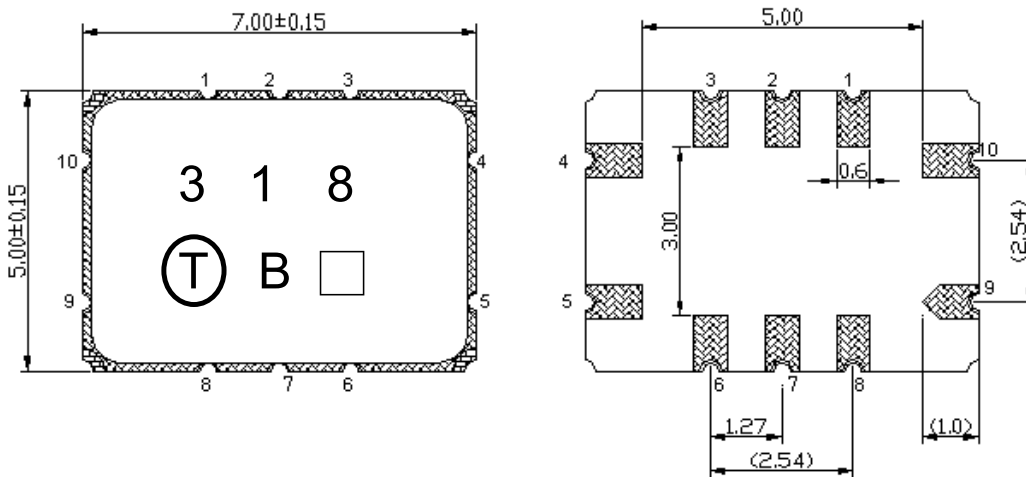
C. Frequency Characteristics :



D. MEASUREMENT CIRCUIT:

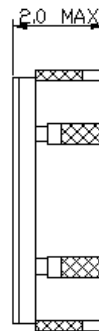


E. OUTLINE DRAWING:

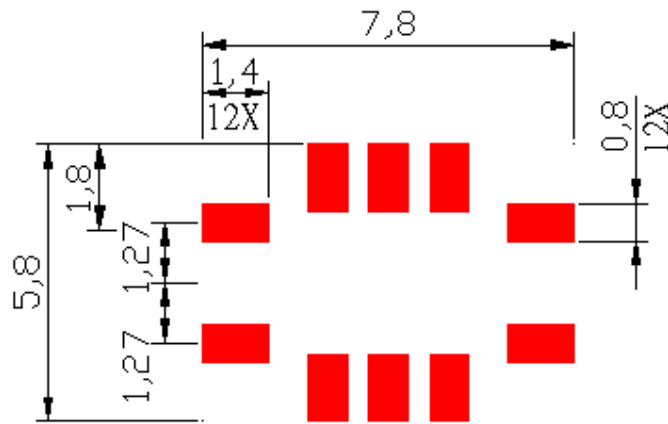


Pin configuration:

- 4: RF Input or Balance Input
- 5: RF Input Ground or Balance Input Return
- 9: RF Output or Balance Output
- 10: RF Output Ground or Balance Output Return
- 1,2,3,6,7,8: Ground
- : Date Code

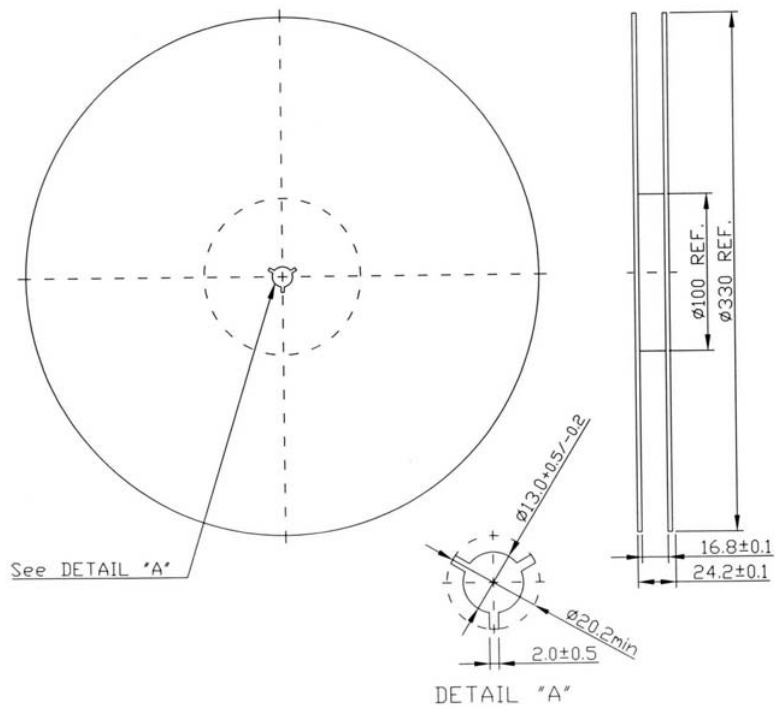


F. PCB FOOTPRINT:



G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

