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 Filter 38.912 MHz SMD 9.1 X 4.8 mm

TST Parts No.:TB0199A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: Jacky Huang

Approval by: Vincent Lee

Date: 2004/8/26

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SAW Filter 38.912 MHz

MODEL NO.:TB0199A REV. NO.:3.0

A. MAXIMUM RATING:

1.Input Power Level: 10 dBm
2.DC voltage: 10 V
3.Operating Temperature: -30°C to +85°C
4.Storage Temperature: -30°C to +85°C

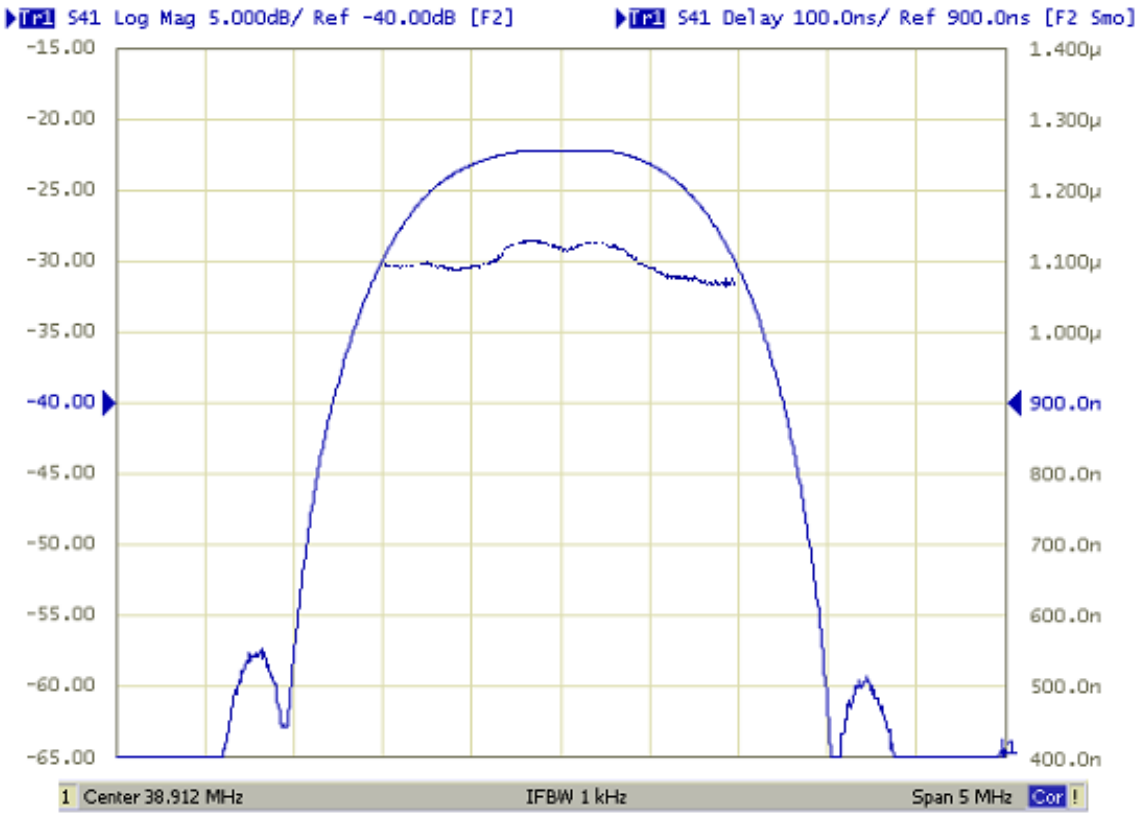
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

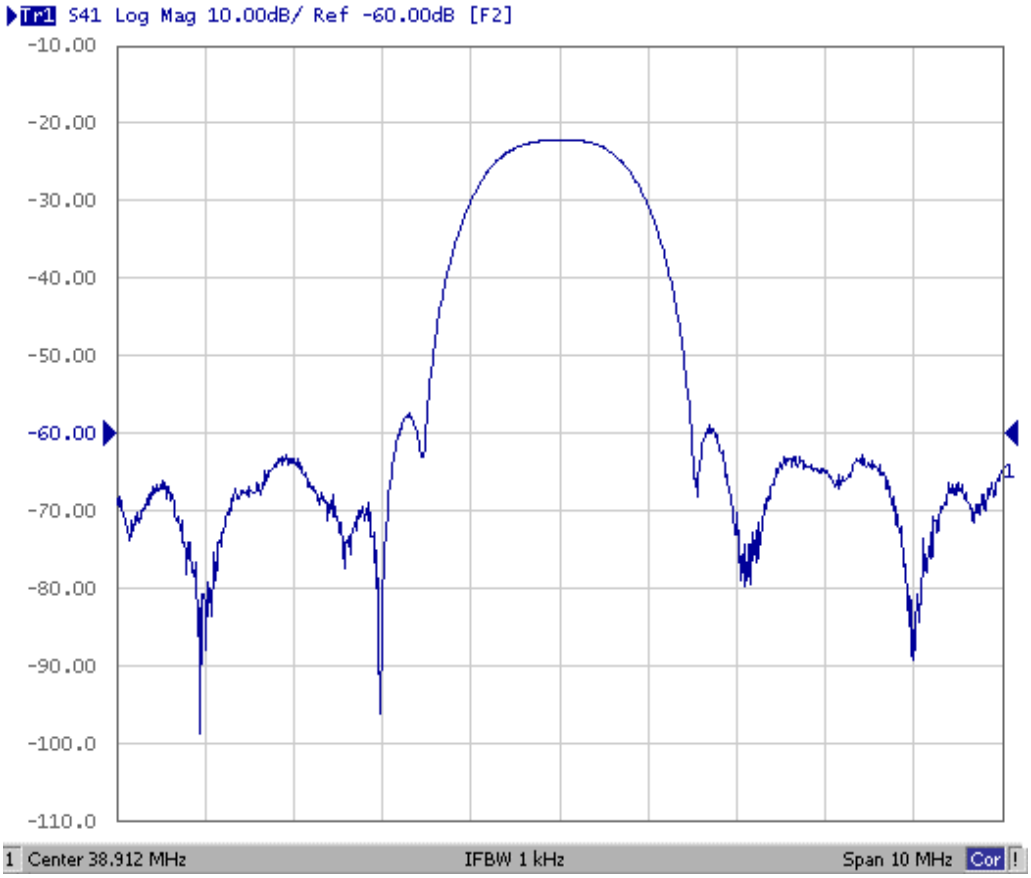
Item		Min.	Typ.	Max.	Note
Center frequency F_C (MHz)		38.812	38.912	39.012	
Insertion Loss	(dB) IL_{min}	-	22.5	25.0	
Pass bandwidth (relative to IL_{min})	BW_3 (MHz)	1.40	1.50	-	
Pass bandwidth (relative to IL_{min})	BW_{30} (MHz)	-	2.85	3.00	
Attenuation:(relative to Il_{min})	(dB)				
30.00~36.26 MHz	(dB)	35.0	40.0	-	
36.26~37.30 MHz	(dB)	33.0	37.0	-	
40.60~41.40 MHz	(dB)	35.0	40.0	-	
41.40~50.00 MHz	(dB)	35.0	38.0	-	
Group Delay Variation:					
38.16~39.66 MHz	(nsp-p)	-	80	200	
Temperature coefficient	(ppm/K)	-	-20	-	

C.FREQUENCY CHARACTERISTICS:

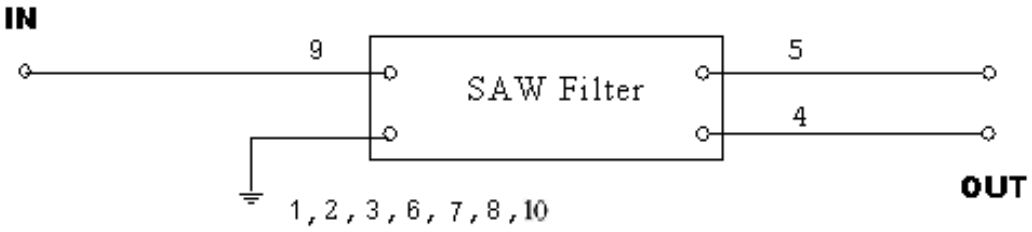
1. Group delay:



2. S21 Response:

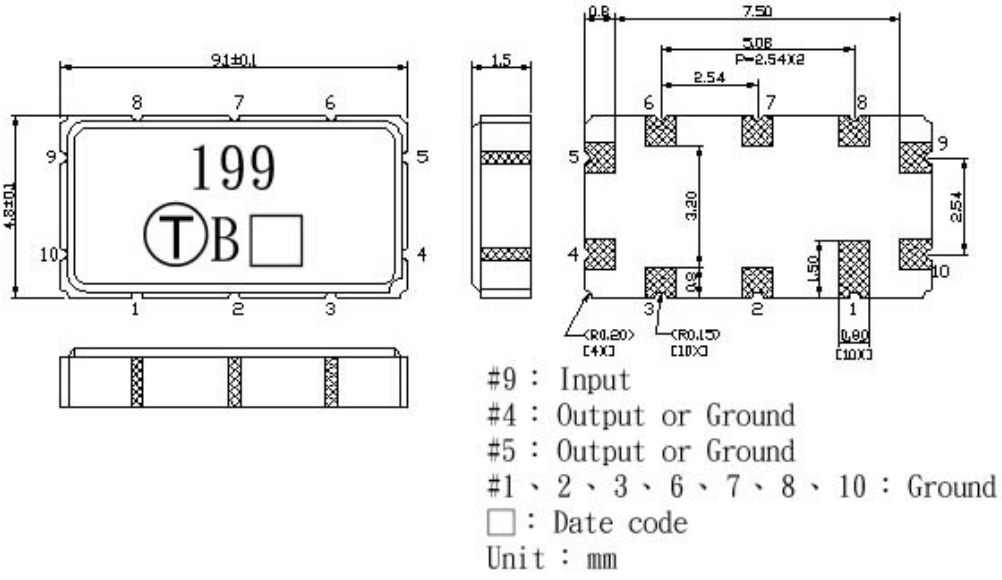


D. MEASUREMENT CIRCUIT:

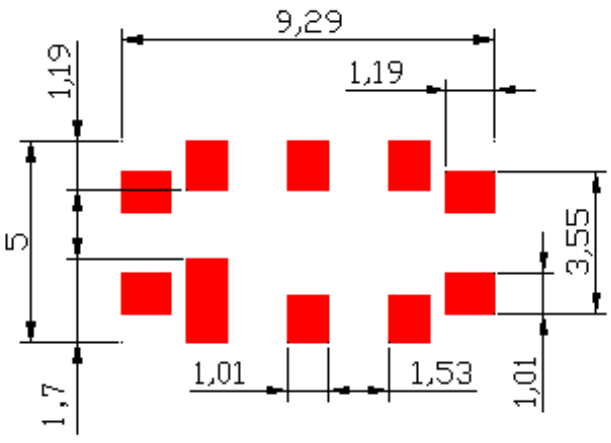


In/out Impedance = 50Ω /50Ω

E.OUTLINE DRAWING:

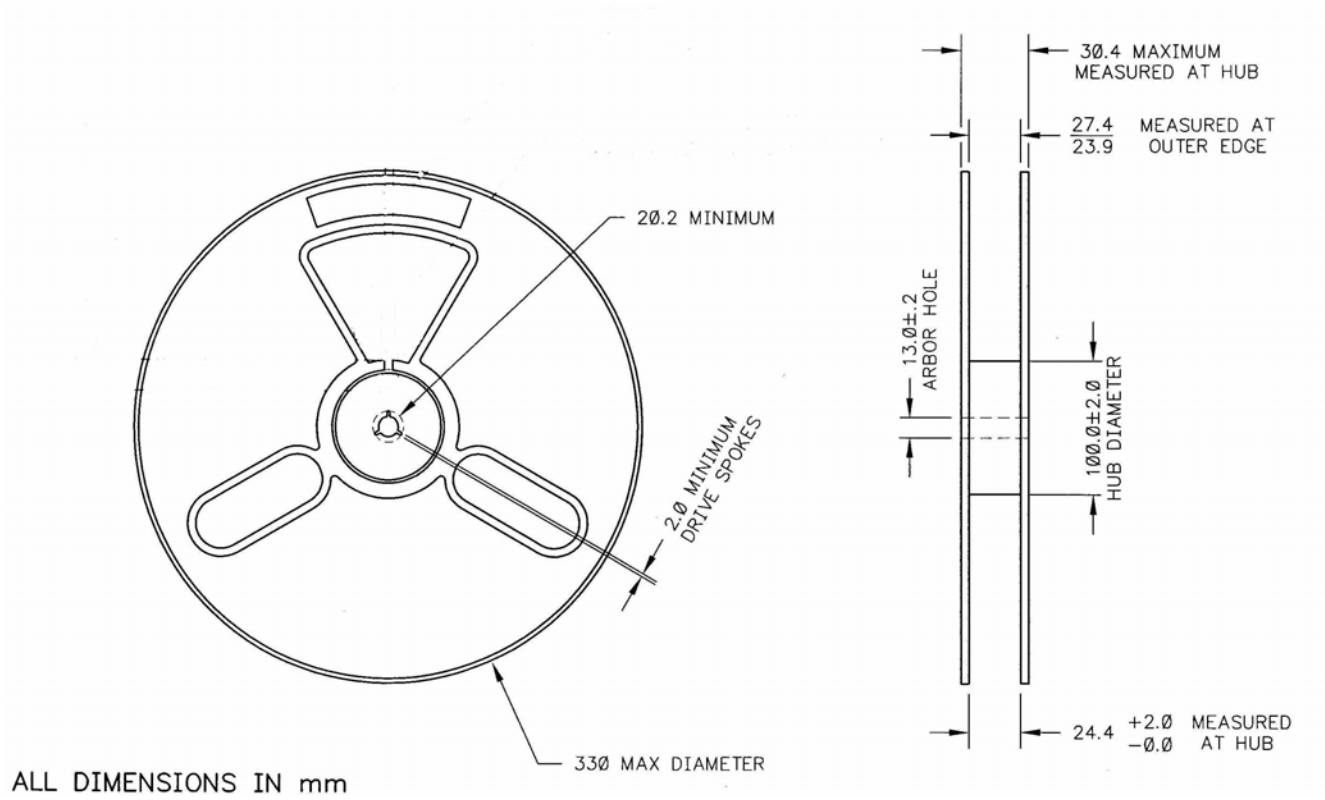


F.PCB FootPrint



G. PACKING:

1.REEL DIMENSION



2.TAPE DIMENSION