



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet for Product Specification

Issued Date: 2002/08/12

Product Name: SAW Filter 479.5MHz, BW=16MHz, TO-39

TST Parts No.:TB0153A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Vincent Chiu

Approval by:_____ Vincent Lee

Date:_____ 2002/08/12



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SAW Filter 479.5MHz for Satellite Receiver

Model No.: TB0153A

Rev. No.:1

A. MAXIMUM RATING:

1. DC Voltage V_{DC} : 0V
2. AC Voltage V_{AC} : 3V
3. Operating Temperature: -20°C to 70°C
4. Storage Temperature: -55°C to 85°C

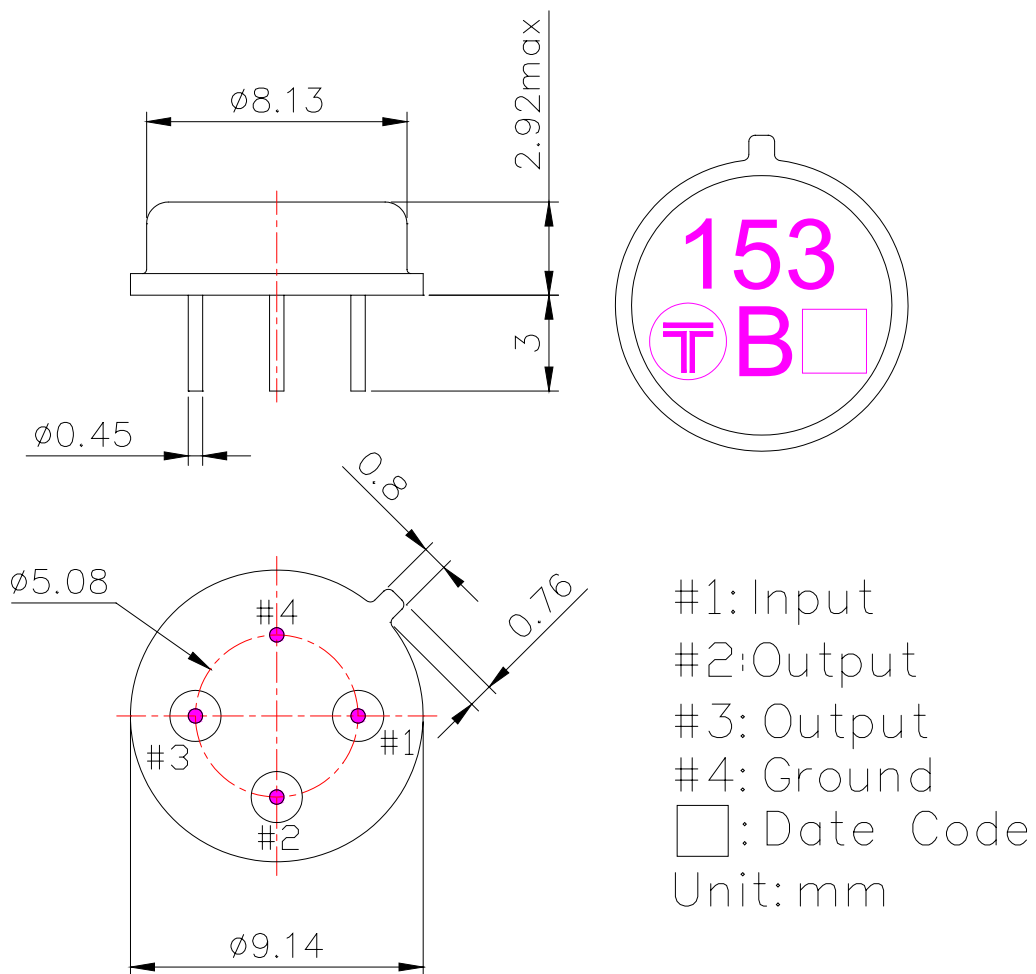
RoHS Compliant

Lead-free soldering

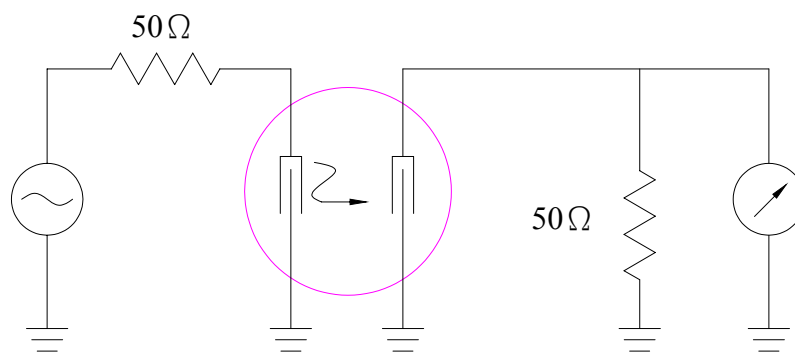
B. ELECTRICAL CHARACTERISTICS:

Items	Unit	Min.	Typ.	Max.
Center Frequency, Fc	MHz	-	479.5	-
Insertion Loss, IL @ Fc	dB	-	22	24
Passband Width, BW₃	MHz	15	16	17
Amplitude Ripple in $Fc \pm 5\text{MHz}$, AR	dB	-	0.7	1.5
Group Delay Ripple in $Fc \pm 6\text{MHz}$, GDR	nS	-	13	25
Attenuation: (Reference level from IL)				
Fc -8MHz	dB	-	2.3	5
Fc +8MHz	dB	-	3.2	5
Fc -10MHz	dB	10	12.5	-
Fc +10MHz	dB	10	17.5	-
Fc -12MHz	dB	30	52	-
Fc +12MHz	dB	30	45	-
Temperature coefficient of frequency	ppm/°C	-	-18	-

C. OUTLINE DRAWING:

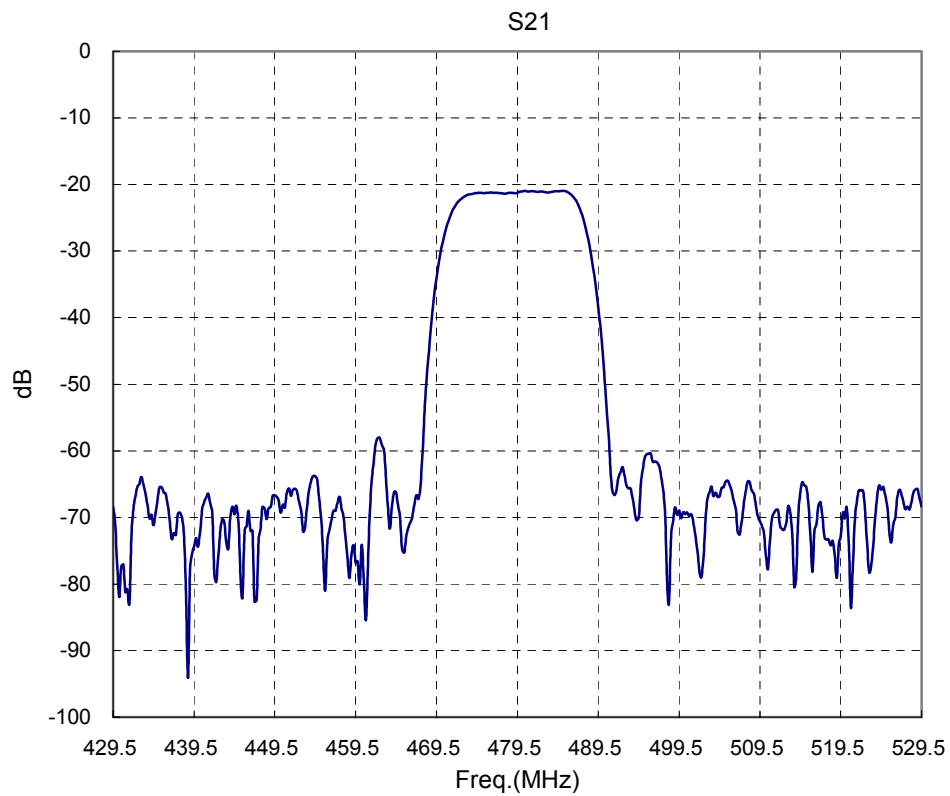


D. MEASUREMENT CIRCUIT:



E. FREQUENCY CHARACTERISTICS:

(1) Frequency Response:



(2) Amplitude Ripple & Group Delay:

