



# 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](mailto:tstsales@mail.taisaw.com) Web: [www.taisaw.com](http://www.taisaw.com)

## Approval Sheet For Product Specification

Issued Date:

Product Name: SAW Filter 480MHz TO-39

TST Parts No.: TB480E3

Customer Parts No.: \_\_\_\_\_

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

Checked by: \_\_\_\_\_ Jacky Huang

Approval by: \_\_\_\_\_ Francis Chen

Date: \_\_\_\_\_ 2003/11/18



# 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](mailto:tstsales@mail.taisaw.com) Web: [www.taisaw.com](http://www.taisaw.com)

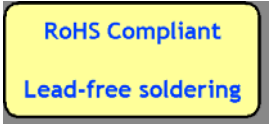
## Two-channel SAW Filter 480MHz for Satellite Receiver

MODEL NO.: TB480E3

REV. NO.:3

### A. MAXIMUM RATING:

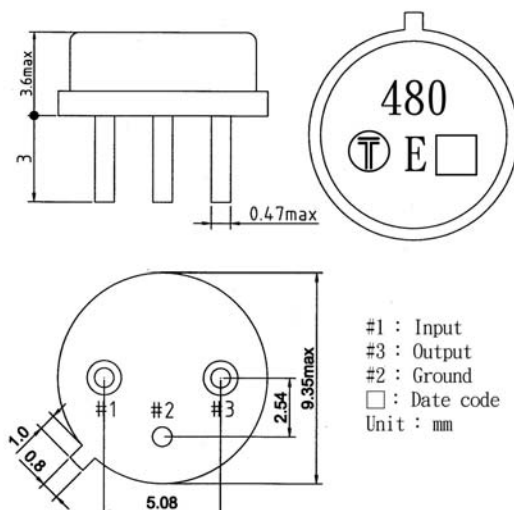
1. DC Voltage Vdc: 0V
2. AC Voltage Vac: 3V
3. Operating Temperature: -20°C to 70°C
4. Storage Temperature: -55°C to 85°C



### B. ELECTRICAL CHARACTERISTICS:

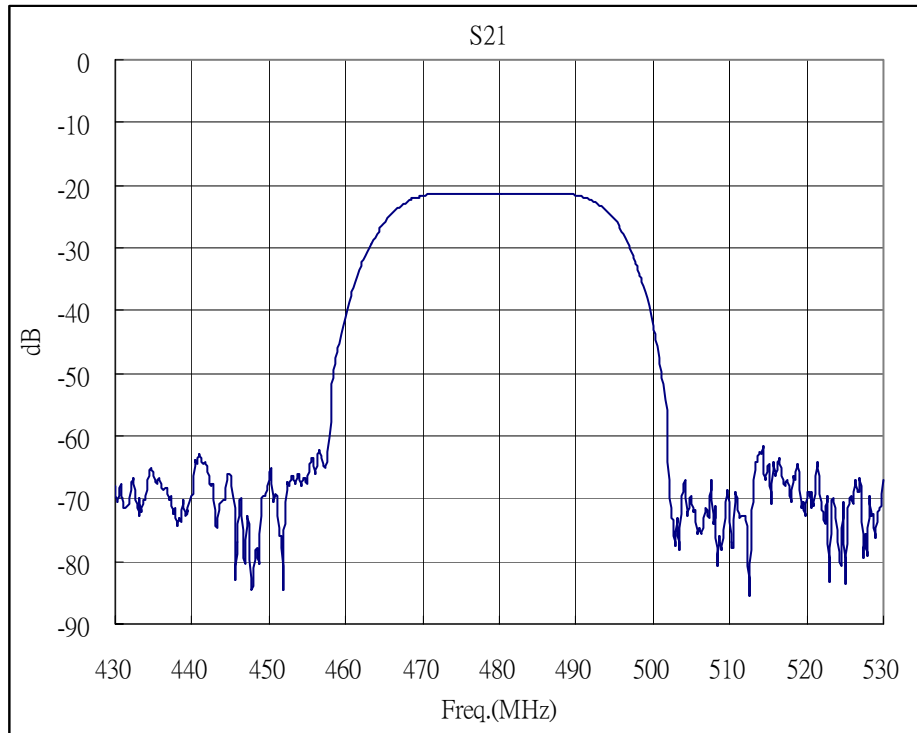
Item	Unit	Min.	Type.	Max.
Center frequency, <b>Fc</b>	MHz	-	480	-
Insertion Loss, <b>IL</b> at Fc	dB	-	21.3	23
Passband width, <b>BW3</b>	MHz	26.9	27.9	28.9
Amplitude Ripple in Fc±6.5MHz	dB	-	0.2	0.5
Group delay ripple in Fc±13MHz	nS	-	8.5	15
Attenuation:(Reference level from IL)				
Fc -13.5MHz	dB	-	2.9	5
Fc +13.5MHz	dB	-	2.9	5
Fc -50 to -28MHz	dB	35	42	-
Fc +27 to +50MHz	dB	33	39	-
Temperature coefficient of frequency	ppm/c	-	-86	-

### C. OUTLINE DRAWING:

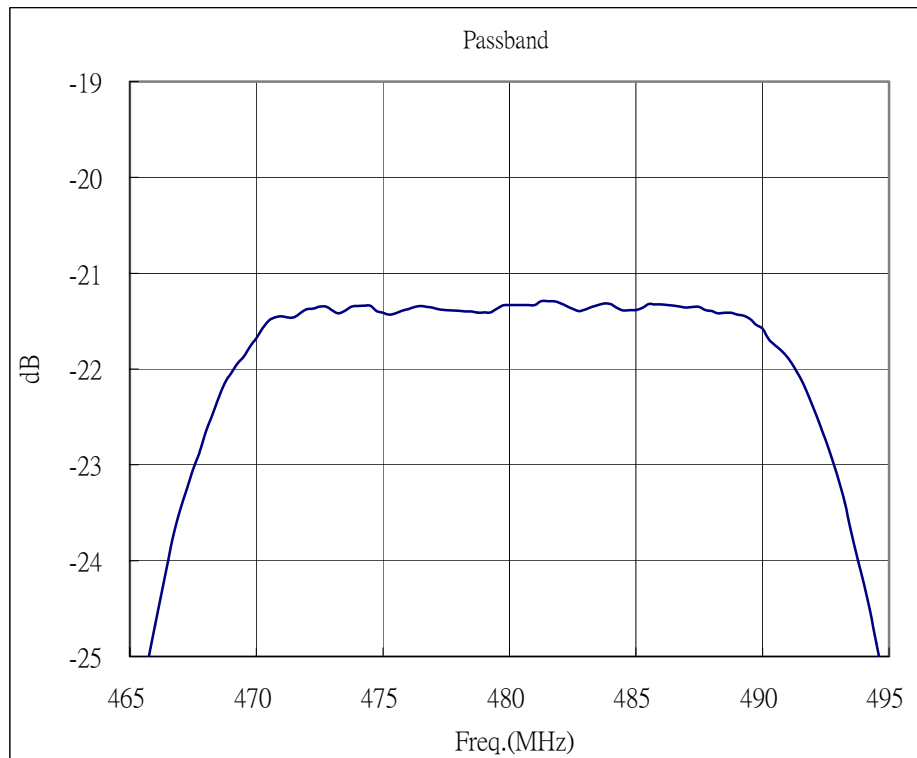


**D. FREQUENCY CHARACTERISTICS:**

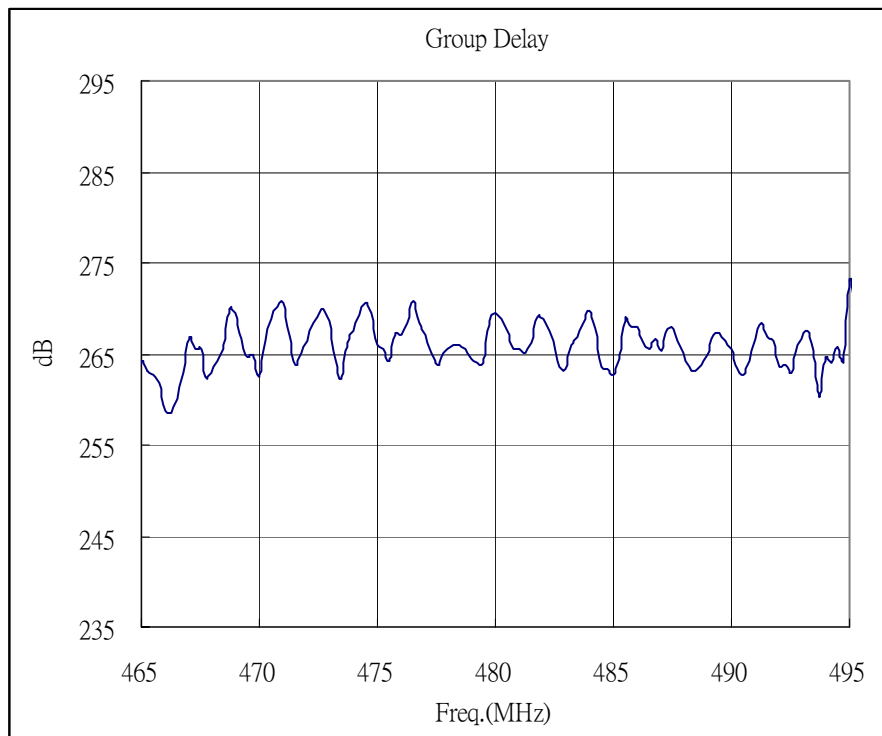
**(1) Frequency Response:**



**(2) Amplitude ripple:**



(3)Group delay:



E. MEASUREMENT CIRCUIT:

