



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 448MHz SMD 3.0×3.0mm

TST Parts No.: TA0709A

Customer Parts No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Asin Lin

Approval by: _____ Francis Chen

Date: _____ 2007/07/04



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SAW Filter 448 MHz

MODEL NO.: TA0709A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m
2. DC voltage: 3 V
3. Operating Temperature: -10°C to 60°C
4. Storage Temperature: -30°C to +85°C

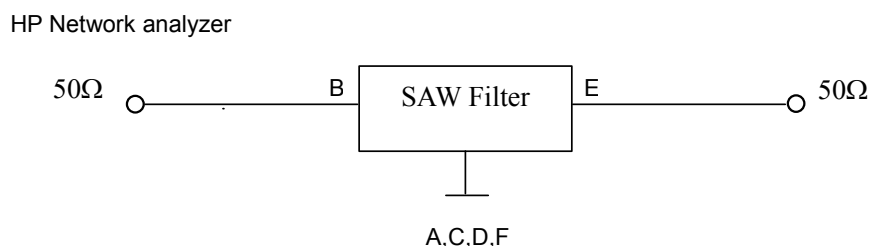
RoHS Compliant
Lead free
Lead-free soldering

B. CHARACTERISTICS:

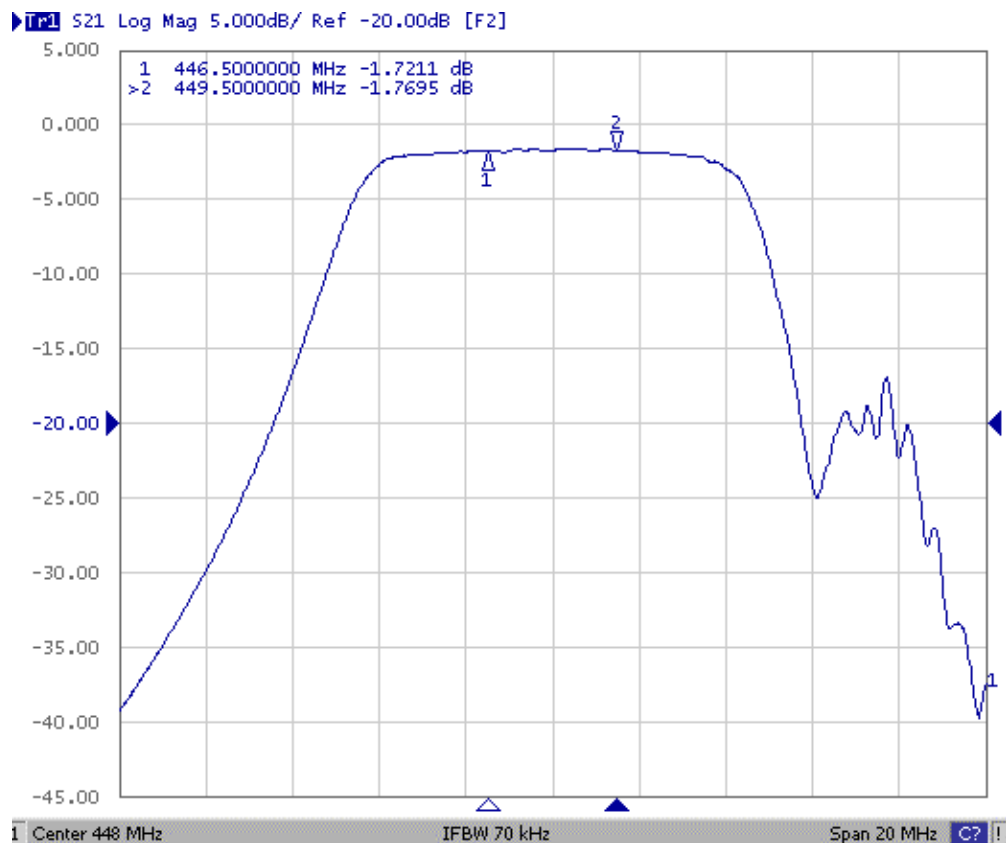
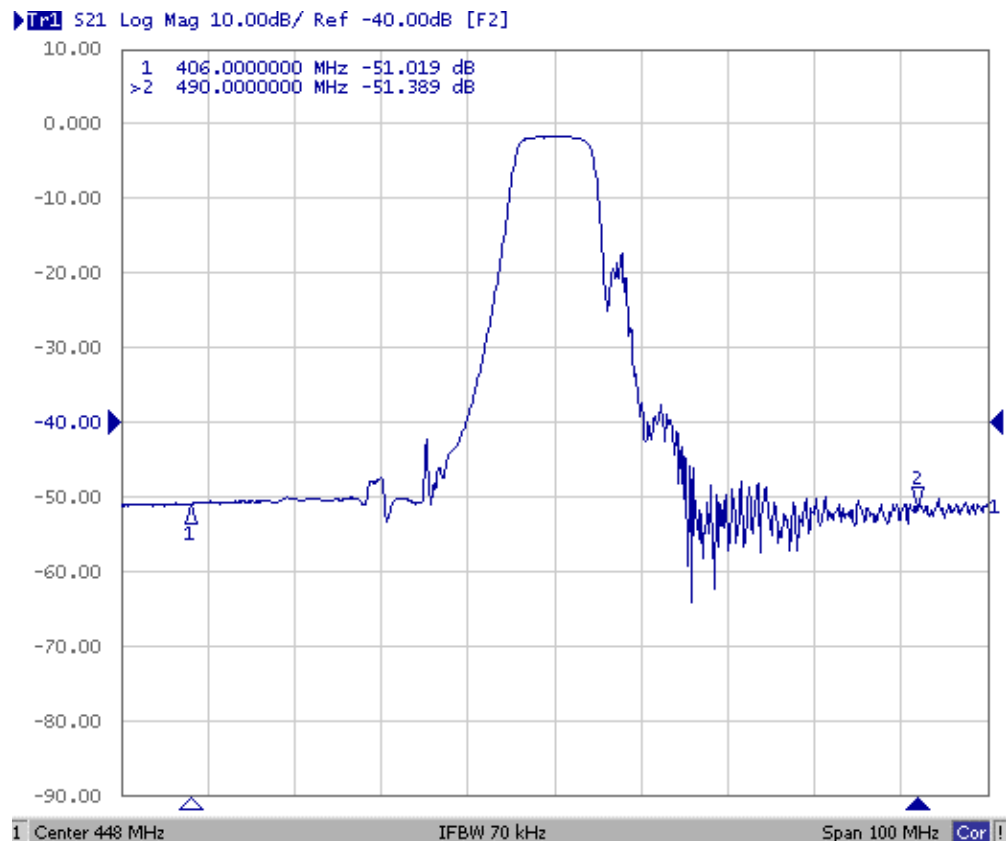
Item	Unit	Min.	Typical	Max.
Center frequency Fc	MH	-	448	-
Insertion loss Fc±1.5 MHz IL	dB	-	2.0	4.0
Amplitude ripple Fc±1.5 MHz	dB	-	0.5	2.0
Attenuation (Reference level from 0 dB)				
Fc-44.3 ~ Fc-41.3 MHz	dB	45	51	-
Fc+41.3 ~ Fc+44.3 MHz	dB	45	49	-
Source impedance Zs	Ω	-	50	-
Load impedance ZL	Ω	-	50	-

Note1. No matching network required for operation at 50Ω

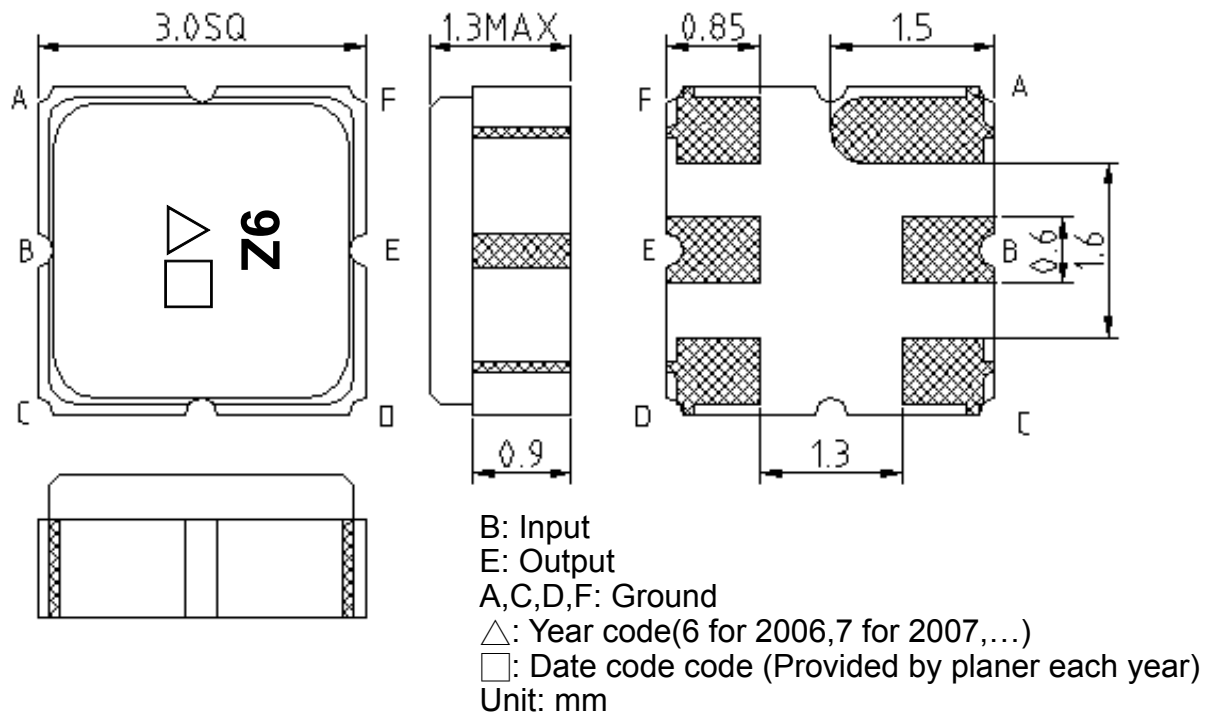
C. MEASUREMENT CIRCUIT:



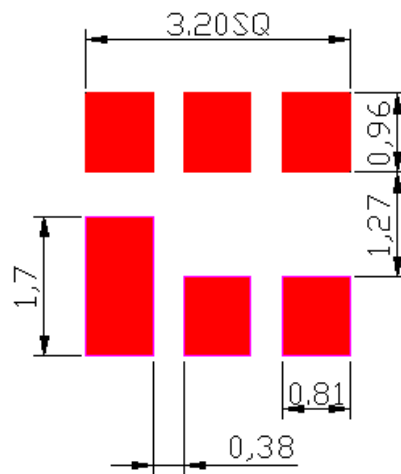
D. TRANSFER FUNCTION :



E. OUTLINE DRAWING:



F. PCB FOOTPRINT:



1. REEL DIMENSION

Technical drawing of a circular structural member. The main view shows a large circle with a central hole, indicated by a dashed circle and a crosshair. A leader line points from the text "See DETAIL 'A'" to the central hole. To the right, a cross-section view shows the member's profile with dimensions: a total width of 12.0, an outer diameter of $\phi 100$ REF., and an inner diameter of $\phi 330$ REF. Below the main view, a detail view labeled "A" shows a cross-section of the central hole with dimensions: a diameter of $\phi 30$, a diameter of $\phi 20.2$, and a thickness of 2.0.

Direction of Feed

H.RECOMMENDED REFLOW PROFILE:

