

**403.50MHz SAW Filter**

**Model: TA0529A**

**Part No: MA09369**

**REV NO.: 1**

**A. MAXIMUM RATING:**

1. Input Power Level: 10 dBm
2. DC voltage: 3 V
3. Operating Temperature: 32°C to 42°C
4. Storage Temperature: -40°C to +85°C

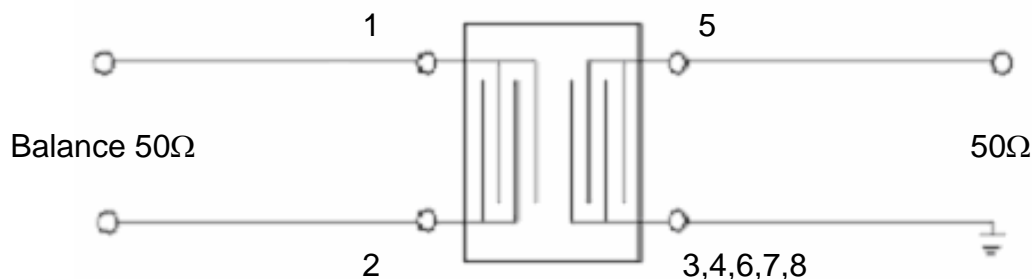
**B. ELECTRICAL CHARACTERISTICS:**

Terminating source impedance:  $Z_S=50\Omega$ (balanced)

Terminating load impedance:  $Z_L=50\Omega$

Item			Min.	Typical	Max.	
Center frequency	Fc	MH	-	403.5	-	
Insertion loss	402 ~ 405 MHz IL	dB	-	2.15	3.5	
Amplitude ripple	402 ~ 405 MHz	dB	-	0.5	1.7	
VSWR	402 ~ 405 MHz			1.55	2.25	
Attenuation (Reference level from 0 dB)						
	303.5 ~ 358.5	MHz	dB	40	51	-
	358.5 ~ 388.5	MHz	dB	35	45	-
	423.5 ~ 448.5	MHz	dB	35	50	-
	448.5 ~ 503.5	MHz	dB	40	51	-

**C. MEASUREMENT CIRCUIT:**



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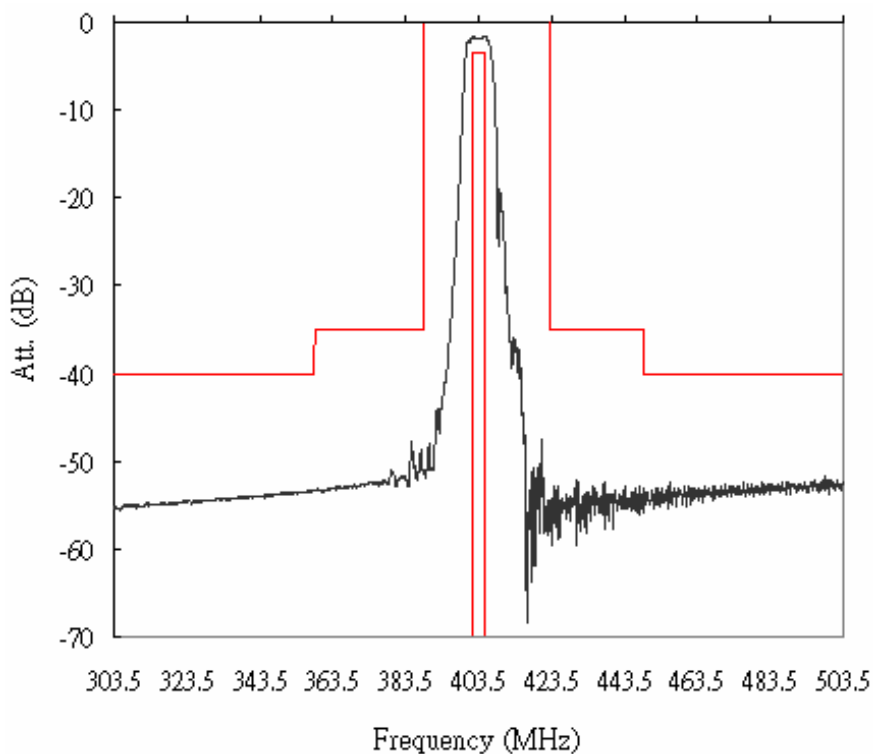
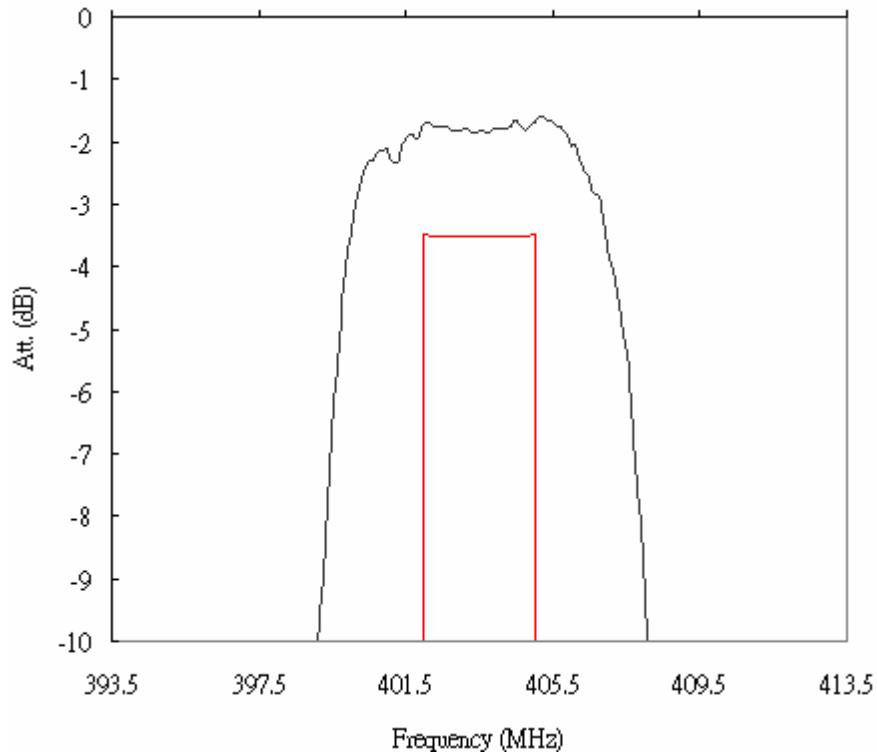
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**D. FREQUENCY CHARACTERISTICS:**

Transfer Function



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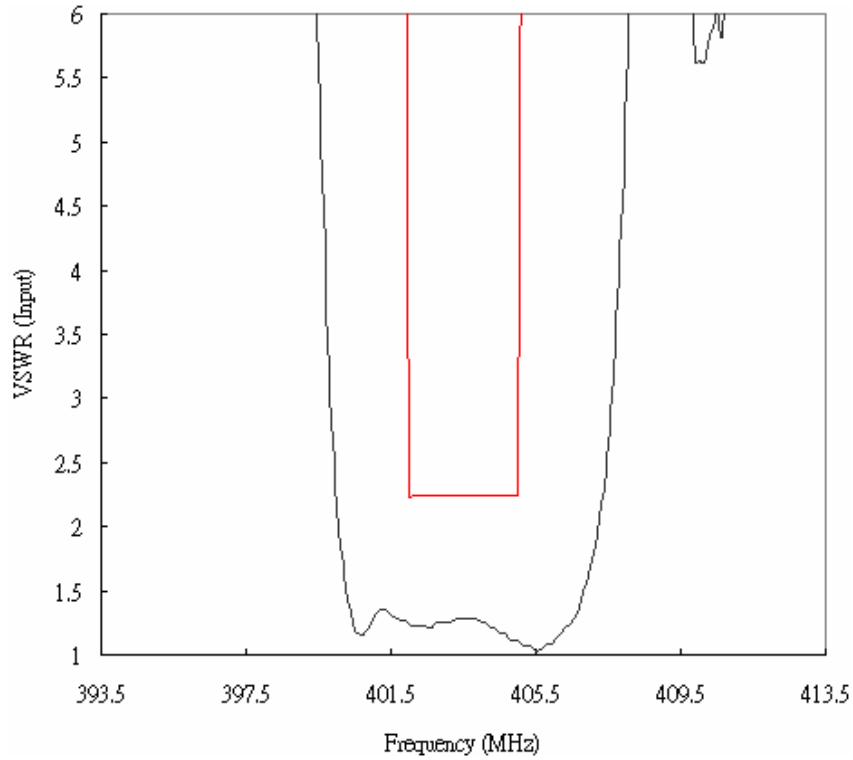
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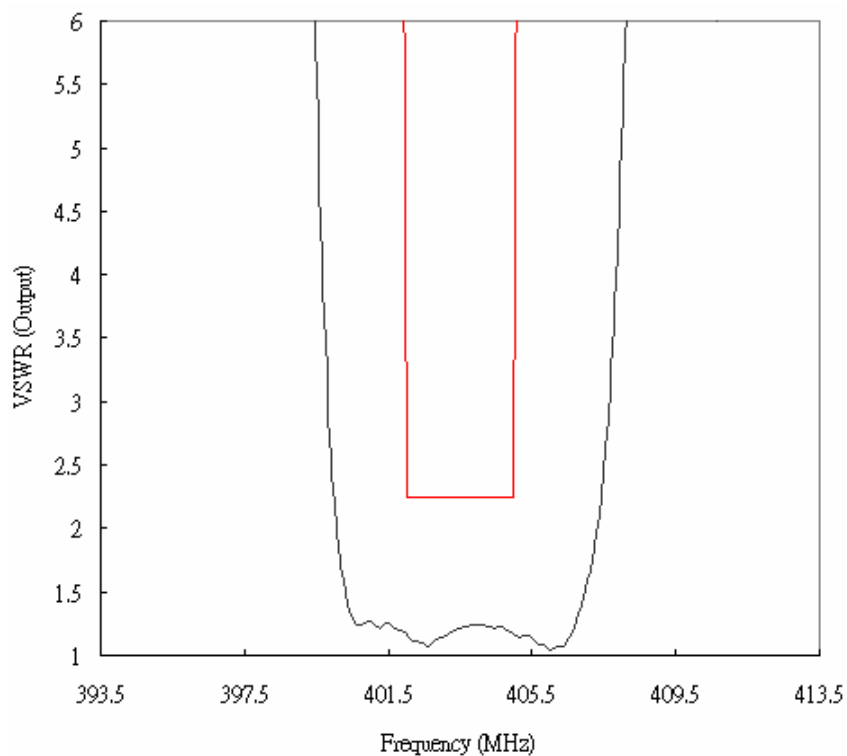
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Reflection Function

Sdd11



Sss22



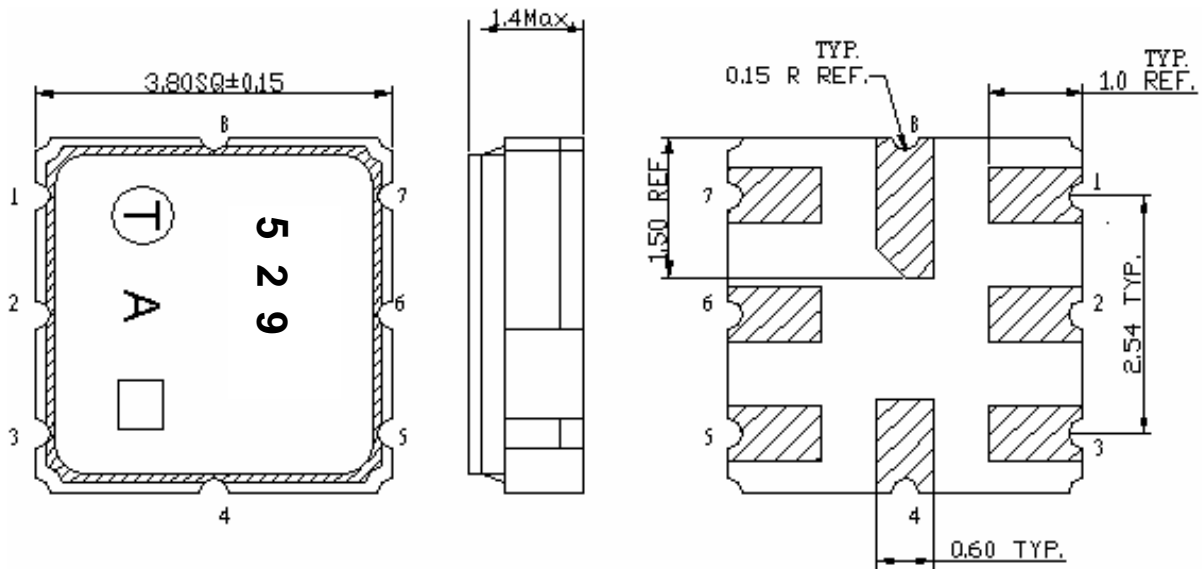
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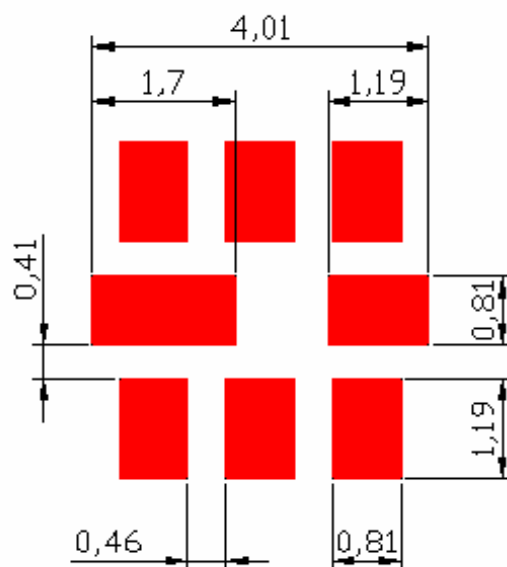
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**E. OUTLINE DRAWING:**



1,2 : Balance Input  
 5: Output  
 3,4,6,7,8: Ground  
 Unit: mm

**F. PCB FOOTPRINT:**

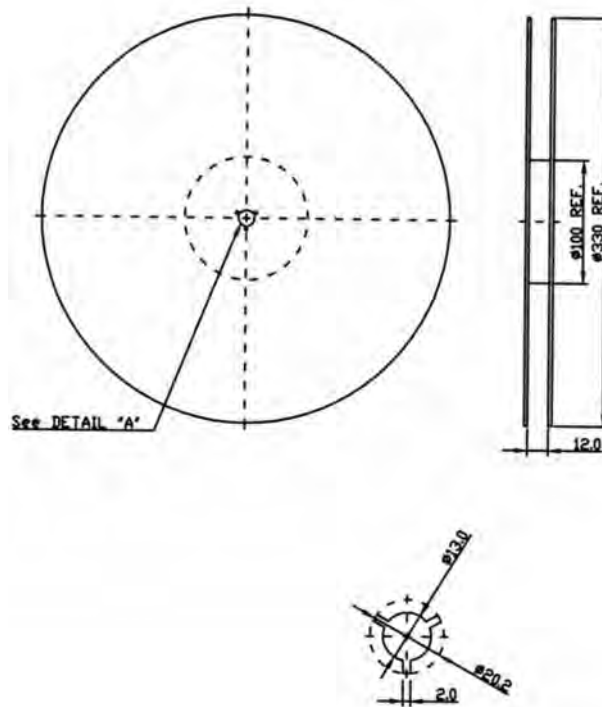


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**G. PACKING:**

1. REEL DIMENSION



2. TAPE DIMENSION

