

SAW Filter 427.80MHz

Model: TA0527A

Part No: MA07612

REV. NO.: 1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC voltage: 3 V
3. Operating Temperature: +15°C to +35°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
 Lead free
 Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Balanced to Balanced operation

Terminating source impedance : $Z_s = 200\Omega$

Terminating load impedance : $Z_L = 200\Omega$

Item			Min.	Typical	Max.
Center frequency	Fc	MH	-	427.8	-
Insertion loss	425.3 ~ 430.3 MHz IL	dB	-	2.05	3.6
Amplitude ripple	425.3 ~ 430.3 MHz	dB	-	0.65	2.1
VSWR	425.3 ~ 430.3 MHz	dB	-	1.6	2.2
Attenuation (Reference level from 0 Db)					
1 ~ 391.0	MHz	dB	40	55	-
391.0 ~ 406.5	MHz	dB	31	56	-
406.5 ~ 417.9	MHz	dB	10	40	-
461.0 ~ 481.0	MHz	dB	35	60	-
481.0 ~ 555.0	MHz	dB	40	62	-
Temperature coefficient of frequency			ppm/k	-36	-

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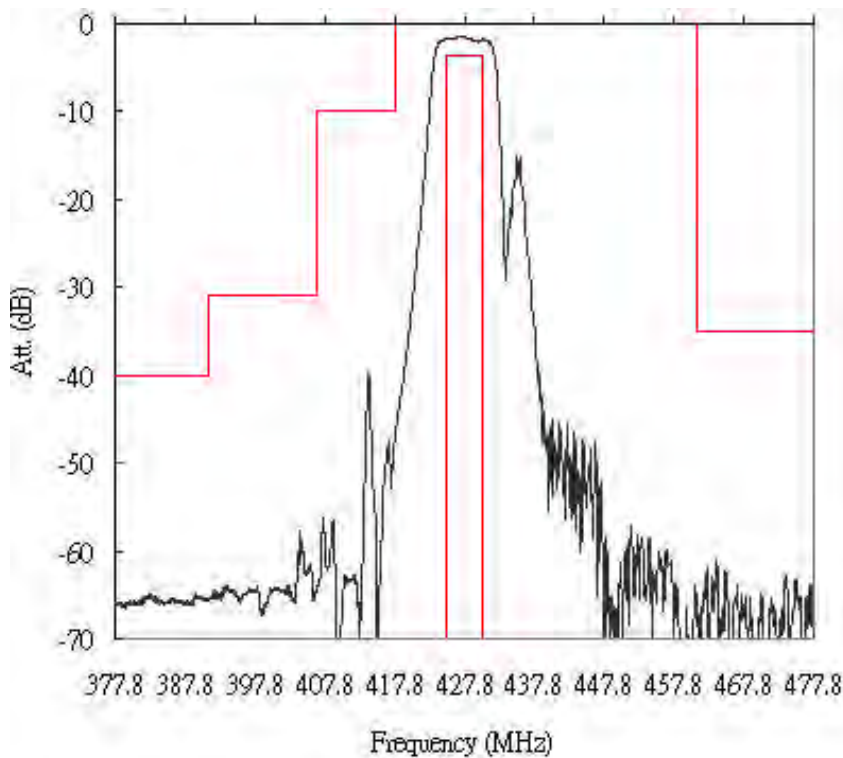
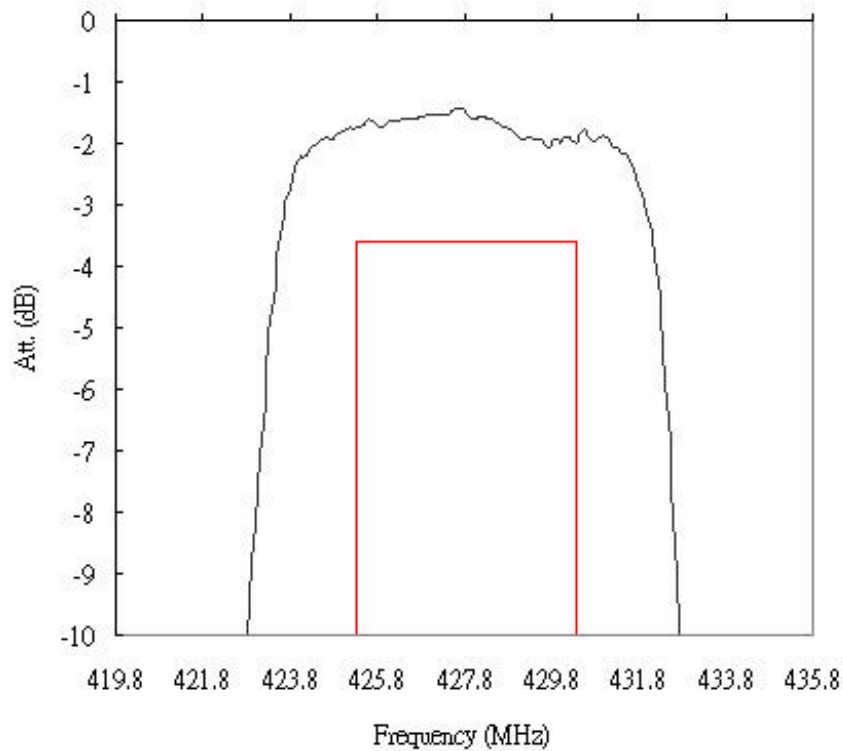
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C. FREQUENCY CHARACTERISTICS:

Transfer Function:



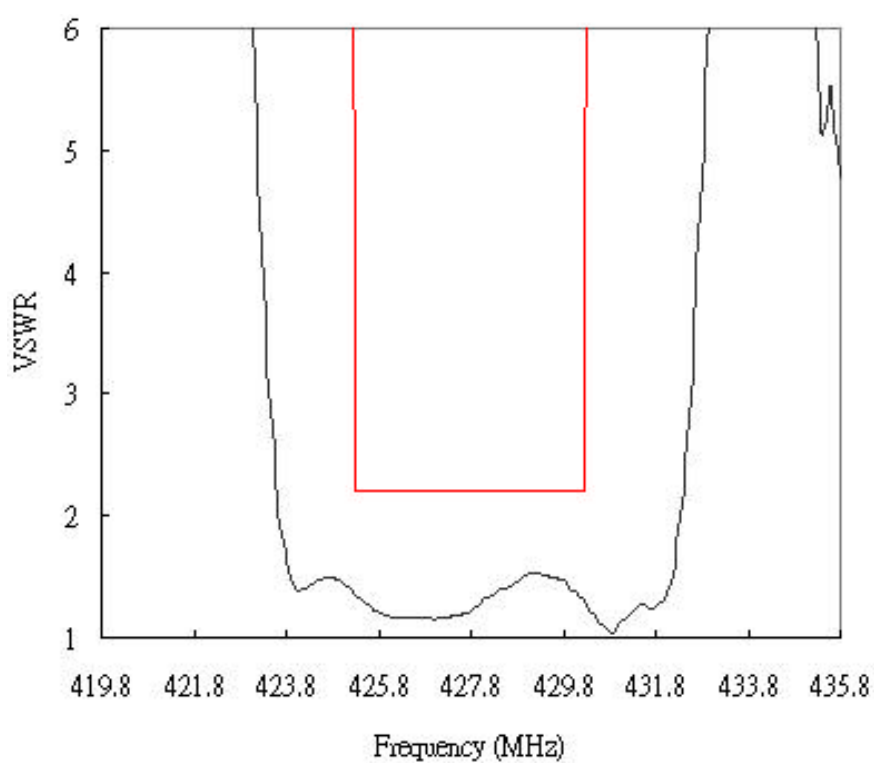
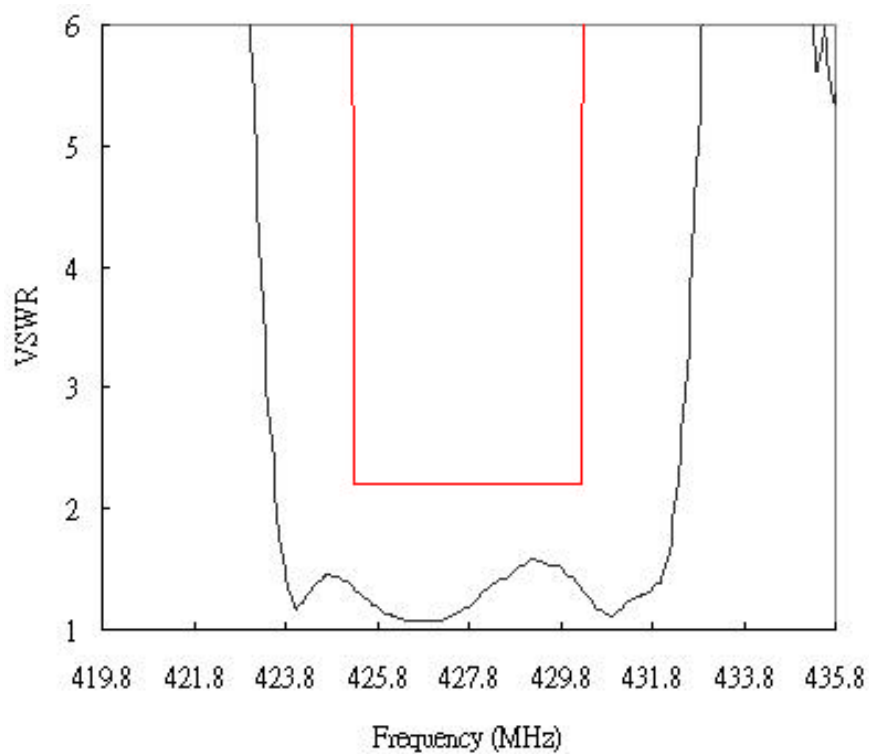
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Reflection Function:



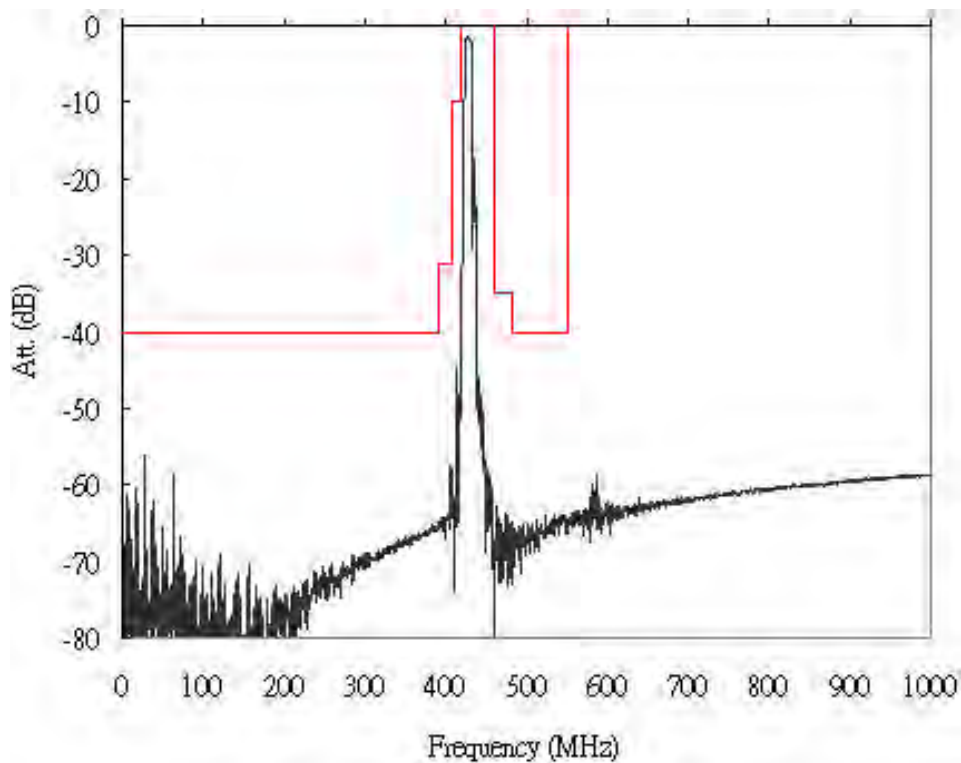
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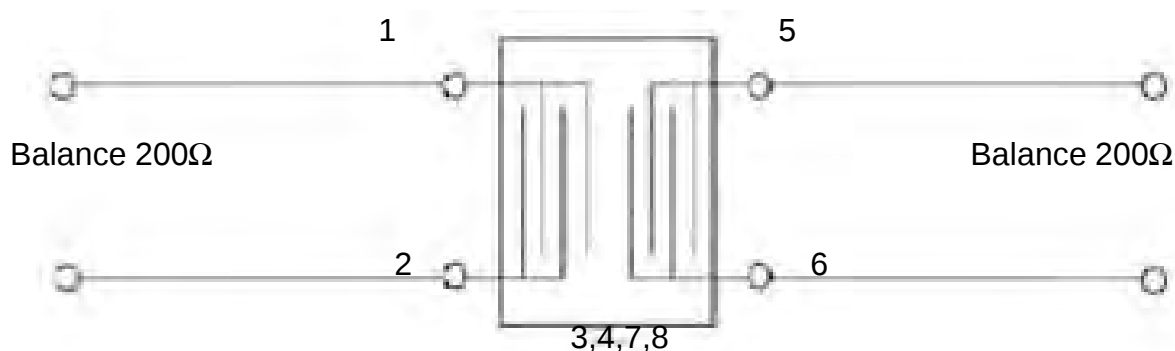
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Wideband



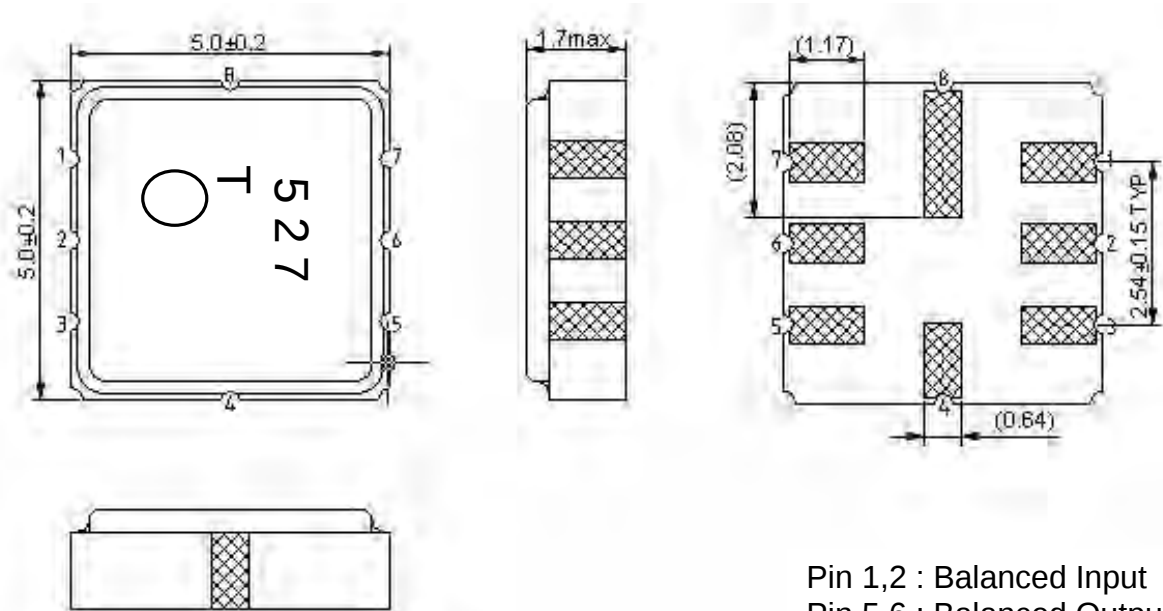
D. MEASUREMENT CIRCUIT:



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E. OUTLINE DRAWING:



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

Year	2001	2002	2003	2004
	2005	2006	2007	2008
Year Code	A	a	A	a

F. PCB FOOTPRINT:

