

836.50 MHz SAW Filter

Model: TA0183A

Part No: MA05690

REV NO.: 2

A. MAXIMUM RATING:

1. Input Power Level: 15 dBm
2. DC voltage: -5 ~ +5 V
3. Operating Temperature: -25°C to +80°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

Item			Min.	Typ.	Max.
Center frequency	Fc	MHz	-	836.5	-
Insertion loss	824 ~ 849 MHz	IL (dB)	-	2.1	2.8
Amplitude ripple	824 ~ 849 MHz	(dB)	-	0.6	1.3
Return loss	824 ~ 849 MHz		9.0	12.0	-
Attenuation (Reference level from 0 dB)					
D.C. ~ 790 MHz		(dB)	45	55	-
790 ~ 810 MHz		(dB)	22	46	-
869 ~ 894 MHz		(dB)	20	29	-
894 ~ 914 MHz		(dB)	33	43	-
914 ~ 2000 MHz		(dB)	40	51	-
2000 ~ 3000 MHz		(dB)	27	34	-
Rx band suppression	869 ~ 894 MHz	(dB)	20	29	-
Source impedance	Zs (Ω)		-	50	-
Load impedance	ZL (Ω)		-	50	-

Note1. No matching network required for operation at 50Ω

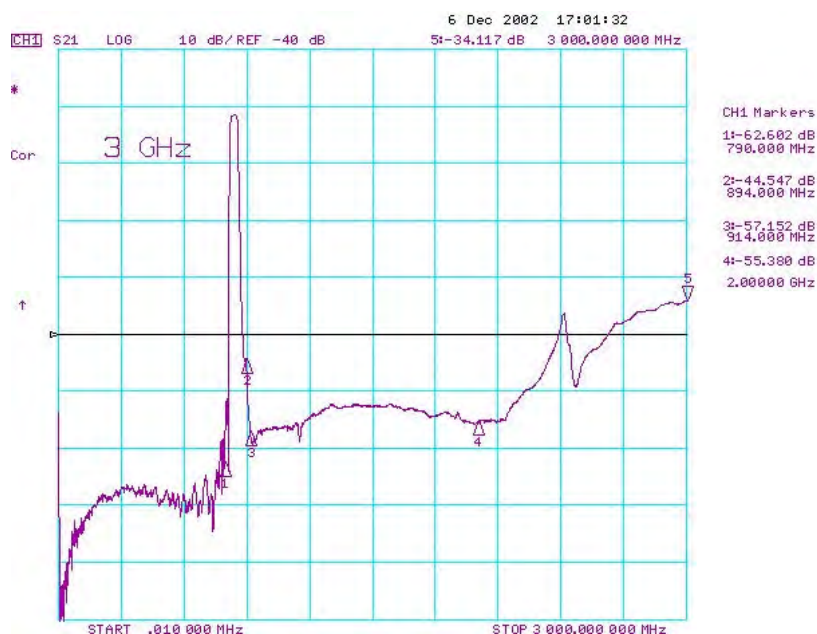
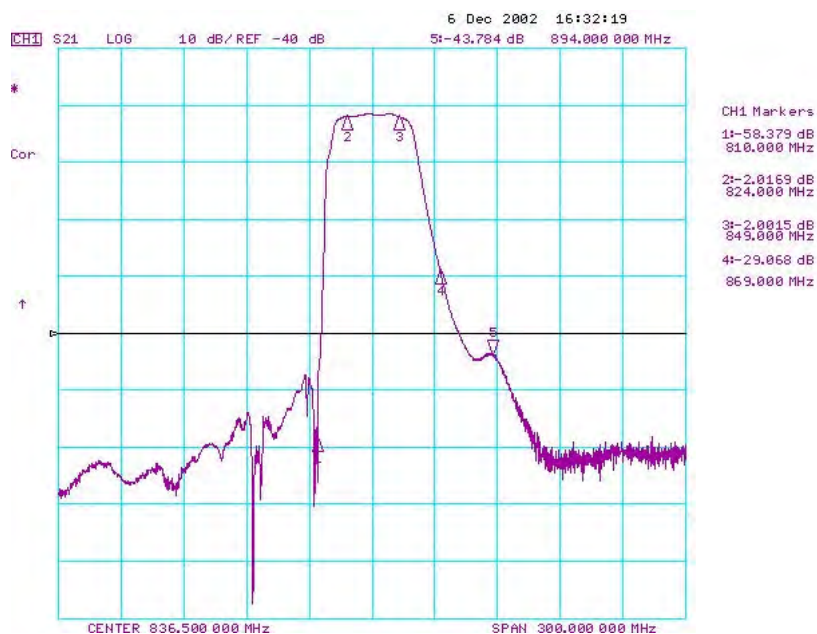
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C. FREQUENCY CHARACTERISTICS:



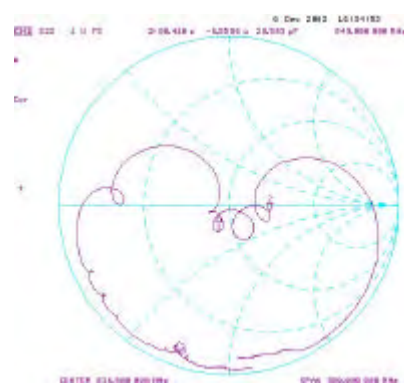
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D. REFLECTION FUNCTIONS:

S11:



S22:



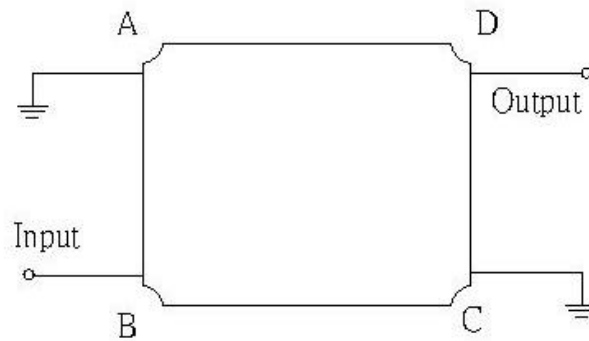
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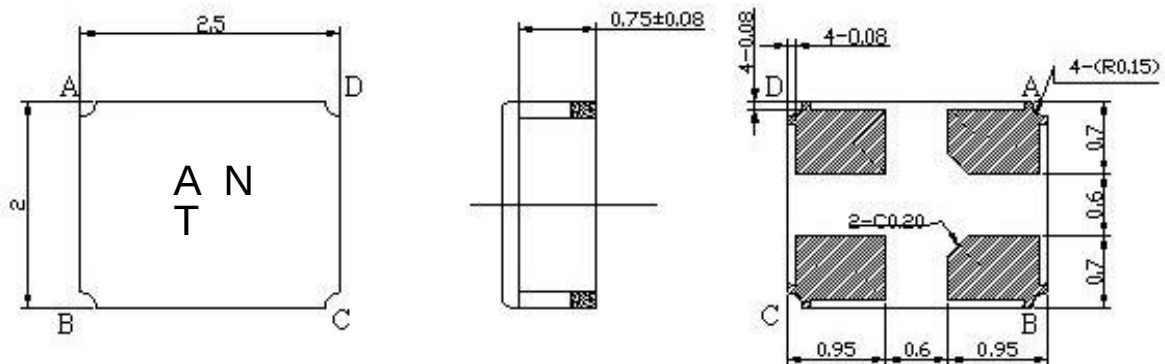
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E. MEASUREMENT CIRCUIT:



F. OUTLINE DRAWING:



B : Input

D : Output

A, C : Ground

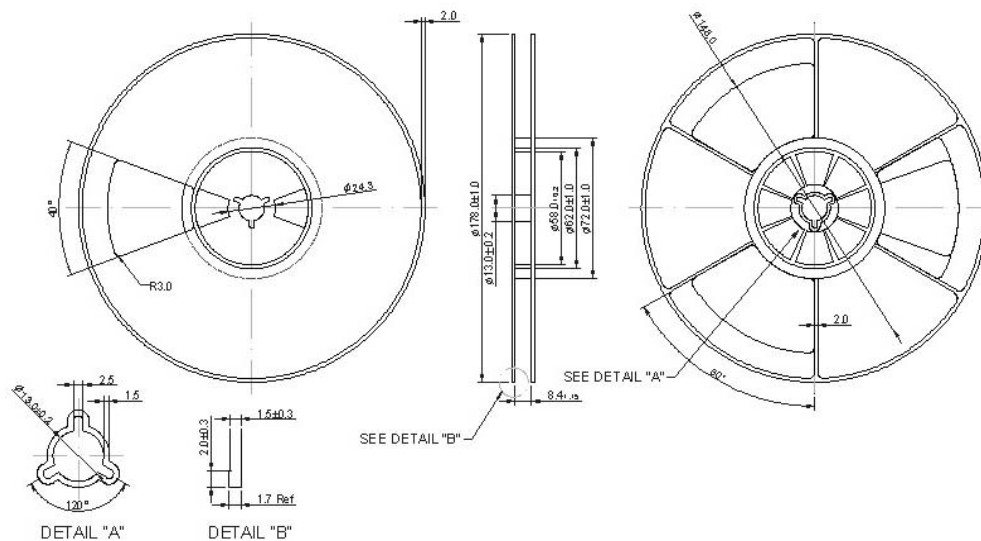
Unit : mm

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G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

