

376.60MHz SAW Filter

Model: TB0378A

Part No: MA09514

REV NO: 1

A. MAXIMUM RATINGS:

1. Input Power Level: 10 dBm
2. Operating Temperature: -20°C to 80°C
3. Storage Temperature: -40°C to 80°C

B. ELECTRICAL CHARACTERISTICS:

1. Ambient Temperature: 25 °C

Characteristics	Value			Note
	Min.	Typ.	Max.	
Center frequency F_C MHz	-	376.6	-	-
Minimum Insertion loss I.L. dB	-	15	16	-
1 dB Bandwidth MHz	75	80	-	-
20 dB Bandwidth MHz	-	94	115	-
Amplitude Ripple ($F_C \pm 37.5\text{MH}$) dB	-	0.85	1.0	-
Input Power dBm	-	-	+10	-
Relative Rejection (Reference to Minimum Insertion loss)				
244.1~319.1 MHz dBc	25	33	-	-
319.1~326.4 MHz dBc	20	30	-	-

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C. FREQUENCY CHARACTERISTICS:

(1) wide band of Response: (span: 300MHz)

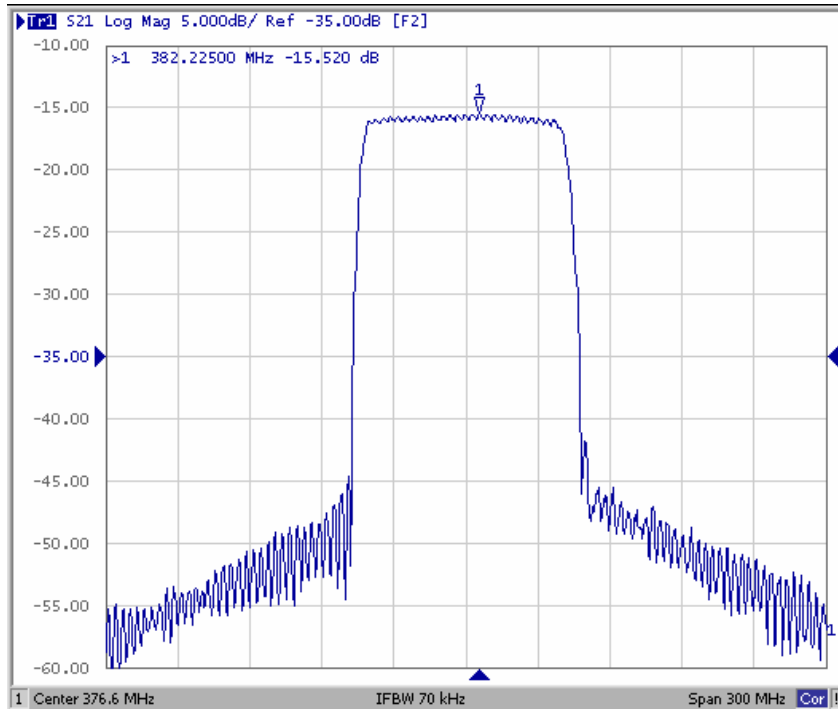


Fig1.S21 Response Horizontal:30MHz/Div Vertical: 10dB/Div

(2) Passband of Response: (span: 100MHz)

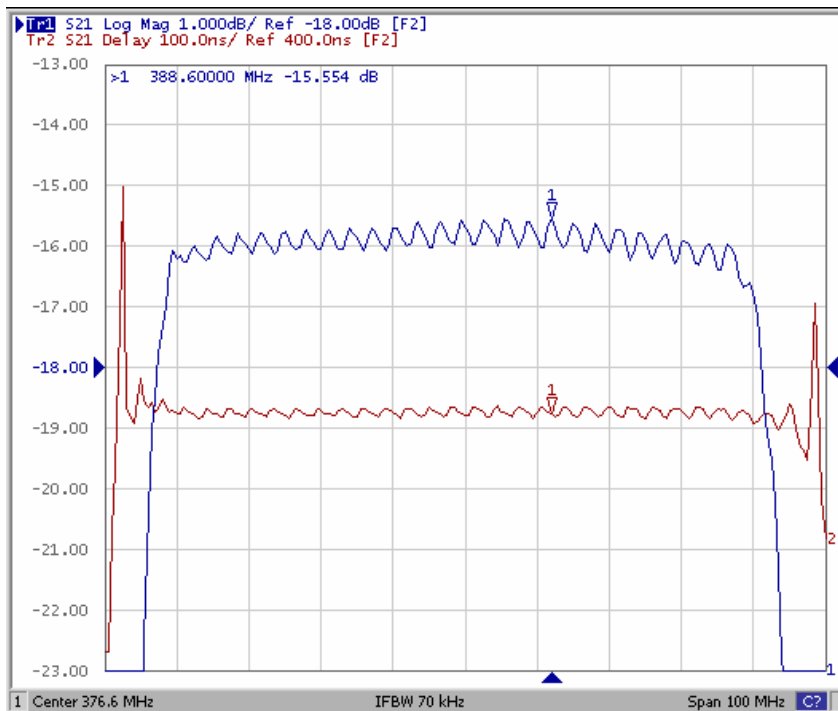


Fig2.S21 Response Horizontal:10MHz/Div Vertical: 1dB/Div

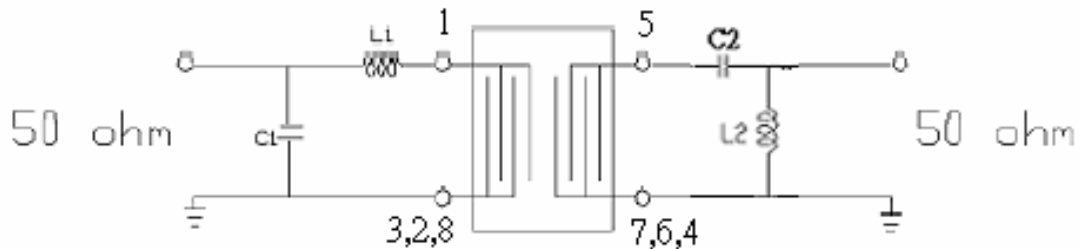
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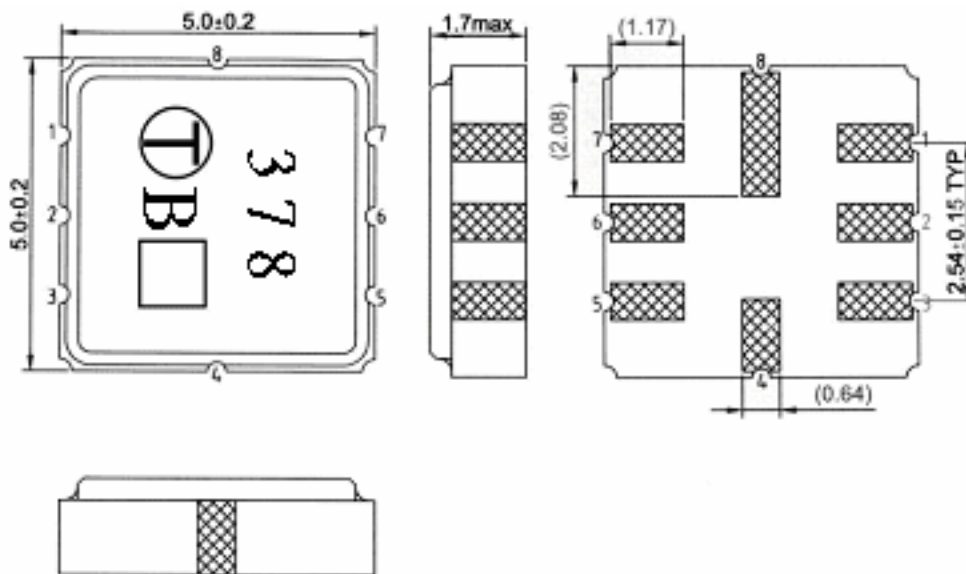
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D. TEST CIRCUIT:



L1=30nH, C1=10pF, L2=27nH, C2=82pF

E. OUTLINE DRAWING:



Pin 1: RF input

Pin 5: RF output

Pin 4,8: Case Ground

Pin 2,3,6,7: Ground

Unit : mm

□ : Week Code (Follow the table from planner each year)

△ : Product / Year Code

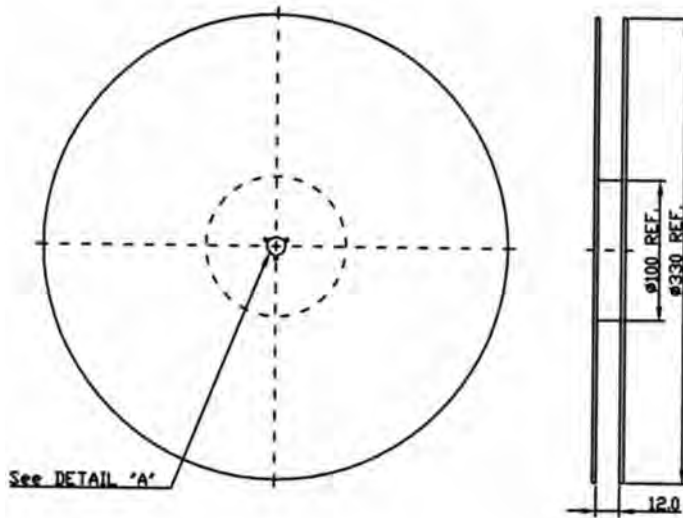
Year	2005 2009	2006 2010	2007 2011	2008 2012
Product Code	B	b	<u>B</u>	<u>b</u>

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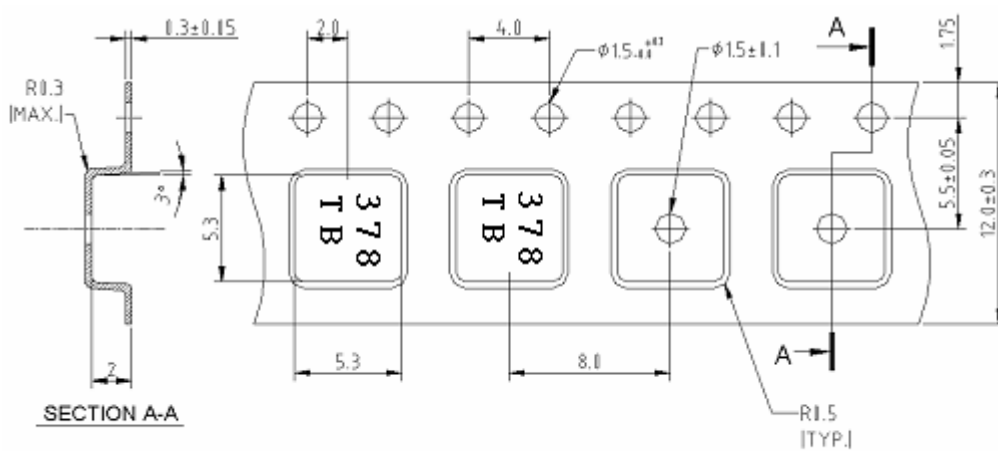
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F. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



Direction of feed

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G. RECOMMENDED REFLOW PROFILE:

