

SAW Filter 403.50MHz

Model: TB0261A

Part No: MA07543

REV. NO.: 1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. Operating Temperature: -10°C to 60°C
3. Storage Temperature: -40°C to 85°C

B. ELECTRICAL CHARACTERISTICS:

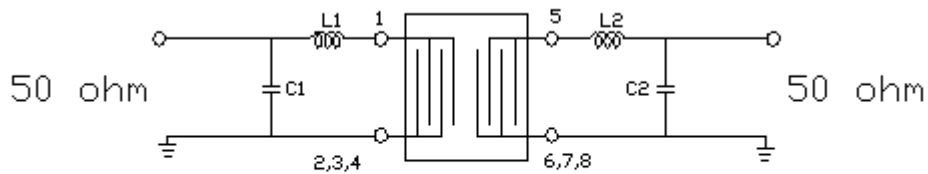
Characteristics	Value			
	Min.	Typ.	Max.	Note
Center frequency F_C MHz	-	403.5	-	-
1dB Bandwidth MHz	3	3.9	-	-
Minimum insertion loss. dB	-	4.7	5.5	-
Ripple (402MHz.....405MHz) dB	-	0.8	1.5	-
Phase linearity (402 MHz.....405 MHz) (rms) ^o	-	1.6	-	-
Return Loss (Input and Output) dB	-	9	-	-
Attenuation:(Reference level from Minimum insertion loss)				
(1) 303.5MHz~384MHz	25	35	-	-
(2) 384MHz~399MHz	20	26	-	-
(3) 408MHz~423MHz	20	25	-	-
(4) 423MHz~503.5MHz	25	31	-	-

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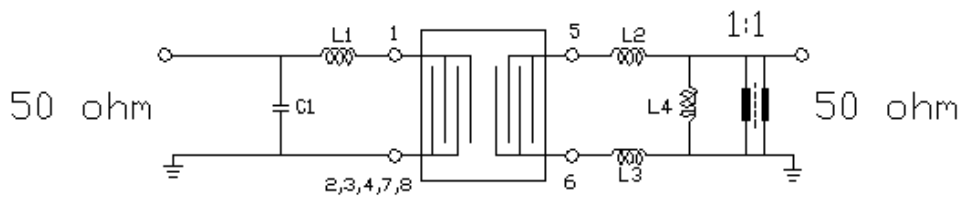
MEASUREMENT CIRCUIT:

1. Single Input to Single Output



$L1=12\text{nH}$ $C1=15\text{pF}$ $L2=47\text{nH}$ $C2=9\text{pF}$

2. Single Input to Balanced Output



$L1=12\text{nH}$ $C1=15\text{pF}$ $L2=L3=12\text{nH}$ $L4=33\text{nH}$

Note: The device balun can offer about 0.6dB loss additionally.

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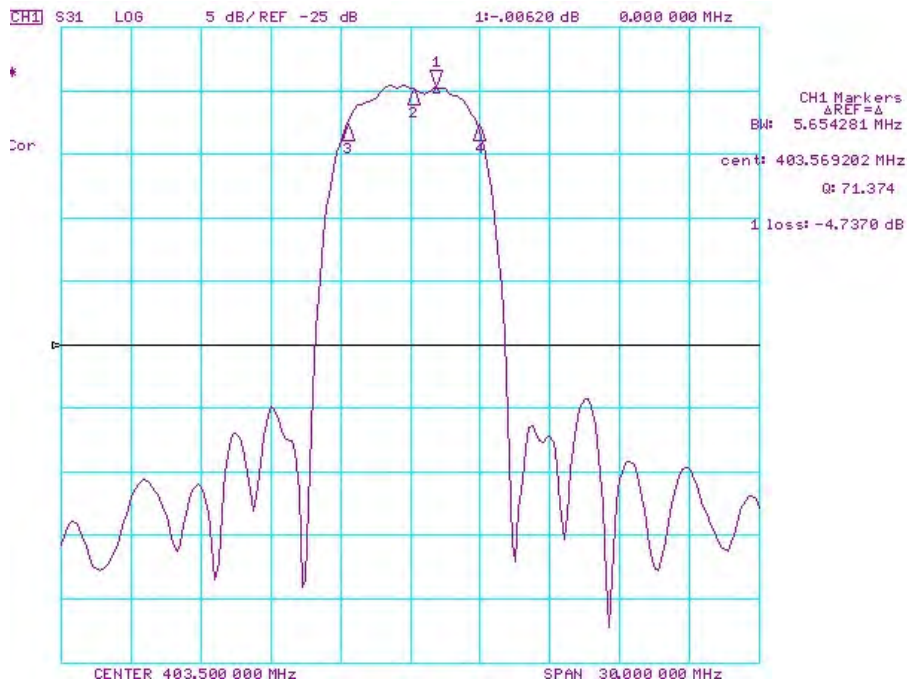
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D. FREQUENCY CHARACTERISTICS:

1. Response of S21:



Horizontal: 3MHz/Div Vertical: 5dB/Div Reference: -25dB

(2) Passband of Response:

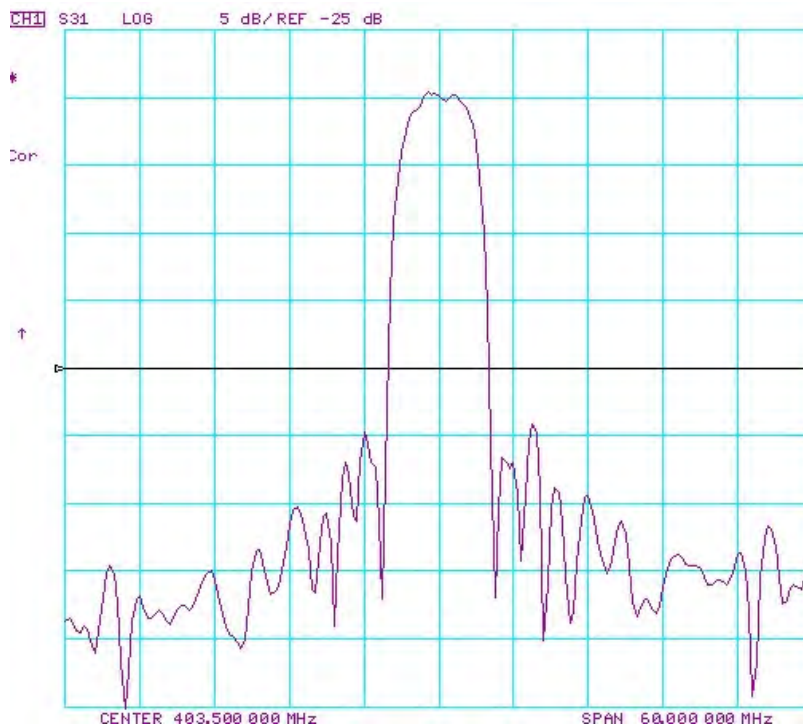
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Group Delay and Ripple, Horizontal:1 MHz/Div
Vertical 1: 1 dB/Div Vertical 2: 100 nS/Div

(3) Wide band of Response:



Horizontal: 6MHz/Div Vertical: 5dB/Div Reference: -25dB

Tel: +44 1460 256 100
Fax: +44 1460 256 101
www.golledge.com



Golledge Electronics Ltd
Eaglewood Park, Ilminster
Somerset, TA19 9DQ, UK

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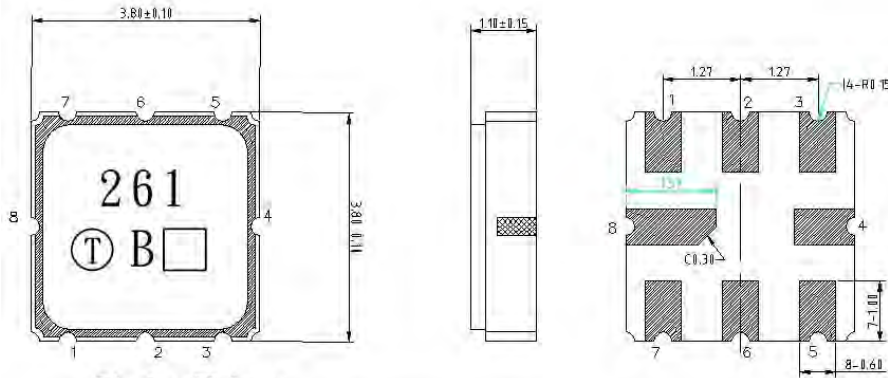
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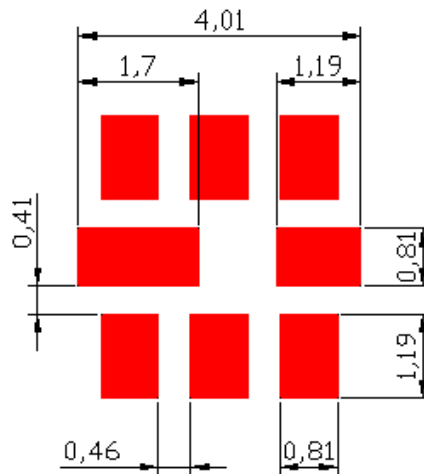
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E. OUTLINE DRAWING:



- Pin 1 : RF input
- Pin 5 : RF output or balanced output
- Pin 6 : RF output ground or balance output
- Pin 2,3,4,7,8 : To be Ground
- : Date code
- Unit : mm

F. PCB FOOTPRINT



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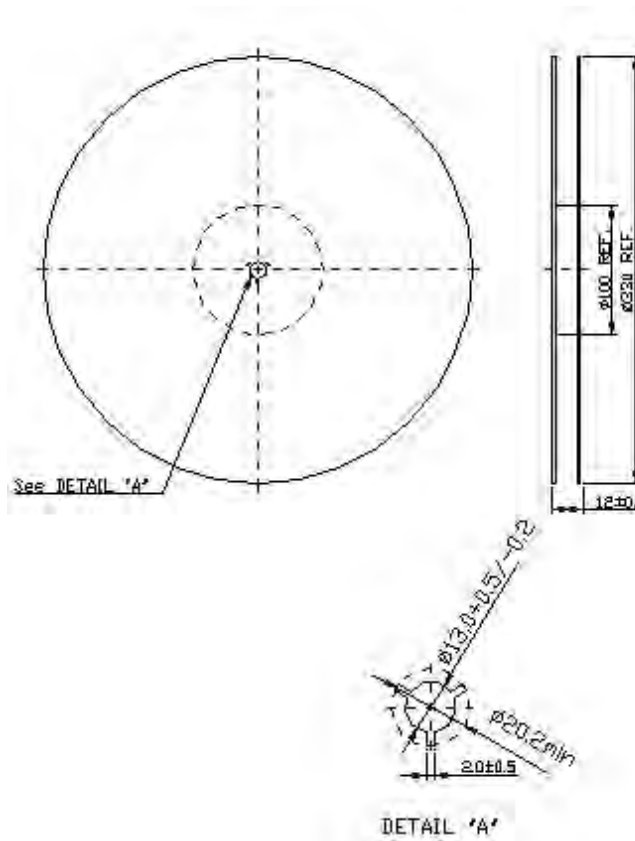
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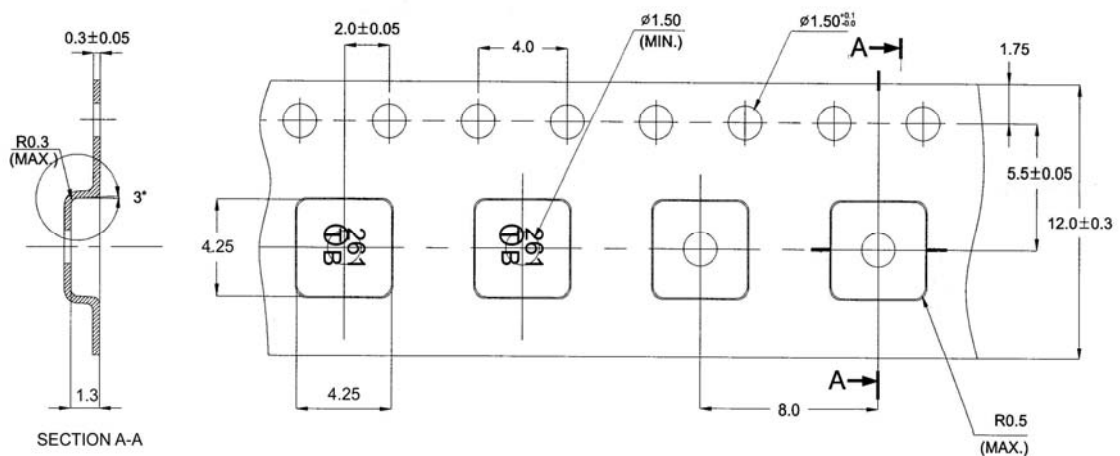
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G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



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