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

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

SAW Filter 1950.0MHz **Model: TA0382A**
Part No: MA07352 **Rev No: 1**

A. MAXIMUM RATING:

1. Operating Temperature: -10℃ ~ +85℃
2. Storage Temperature: -40℃ ~ +95℃

B. ELECTRICAL CHARACTERISTICS:

Balanced to Singled operation
Terminating source impedance: Z_S = 200Ω // 18nH
Terminating load impedance: Z_L = 50Ω

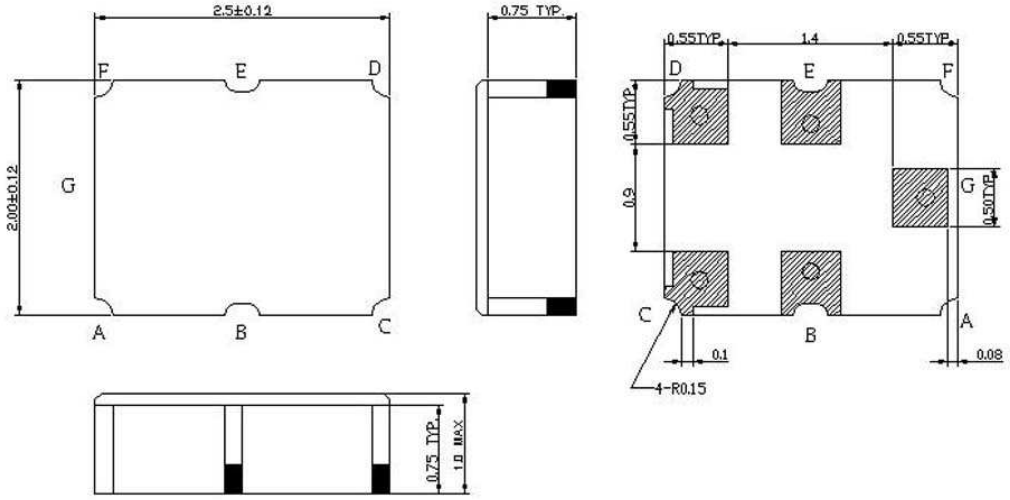
Item	Min.	Typ.	Max.
Center frequency Fc MHz	-	1950	-
Insertion loss (1920 ~ 1980MHz) IL (dB)	-	2.6	4.0
Ripple (1920 ~ 1980MHz) (dB)	-	0.5	1.8
Input VSWR (1920 ~ 1980MHz)	-	1.8	2.4
Output VSWR (1920 ~ 1980MHz)	-	2.0	2.4
0 ~ 1805MHz (dB)	20	30	-
1805 ~ 1860MHz (dB)	22	36	-
1860 ~ 1880MHz (dB)	15	21	-
2110 ~ 2170MHz (dB)	20	25	-
2170 ~ 2670MHz (dB)	25	38	-
2680 ~ 2740MHz (dB)	20	39	-
3840 ~ 3960MHz (dB)	15	52	-
5760 ~ 5940MHz (dB)	15	44	-
$\|S_{21}\|$ / $\|S_{31}\|$ (1920 ~ 1980MHz) (dB)	-2.2	0	2.2
$\Phi(S_{21})$ - $\Phi(S_{31})$ +180°(1920 ~ 1980MHz) deg	-18	0	18

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Part No: MA07352 — Rev No: 1

C. OUTLINE DRAWING:



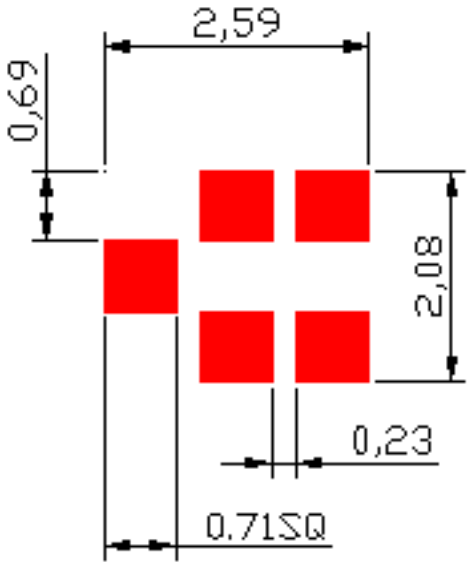
G: Unbalance output

C, D: Balance input

B, E: Ground

Unit: mm

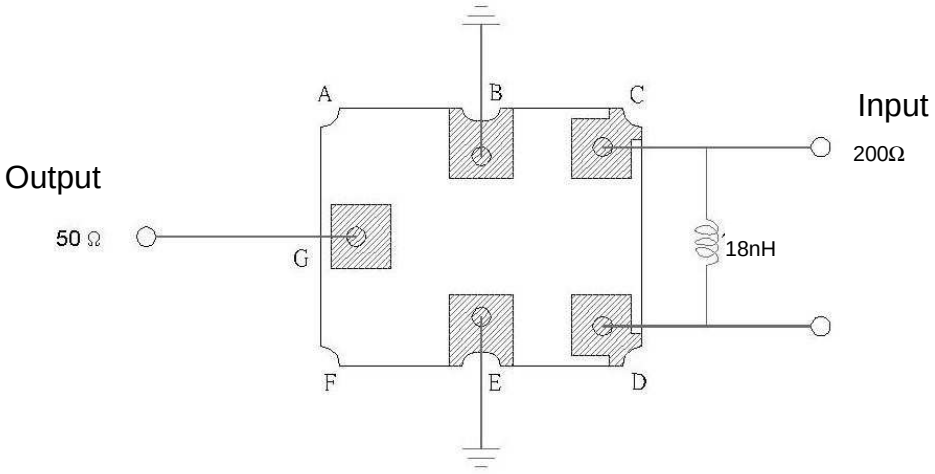
D. PCB FOOTPRINT:



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E. MEASUREMENT CIRCUIT:

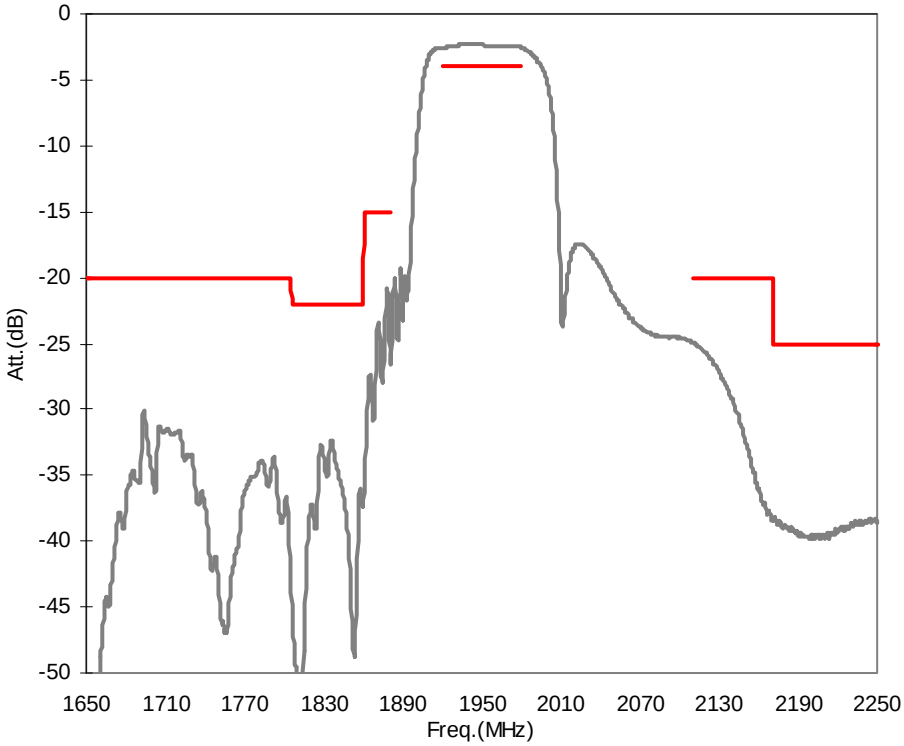


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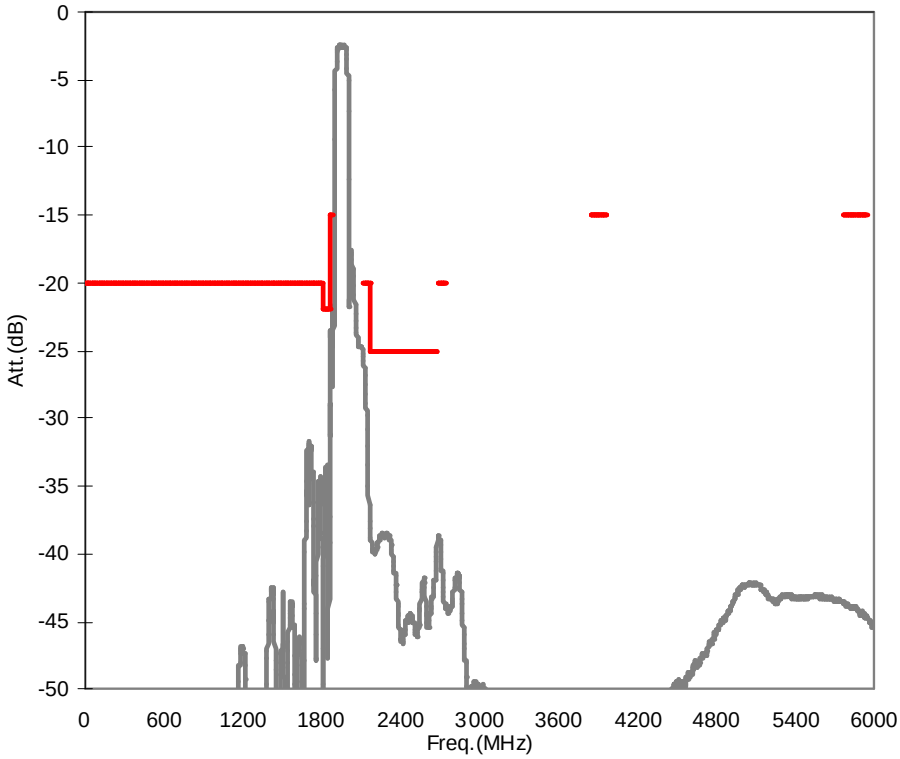
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F. FREQUENCY CHARACTERISTICS:

1. Transfer function (25℃)



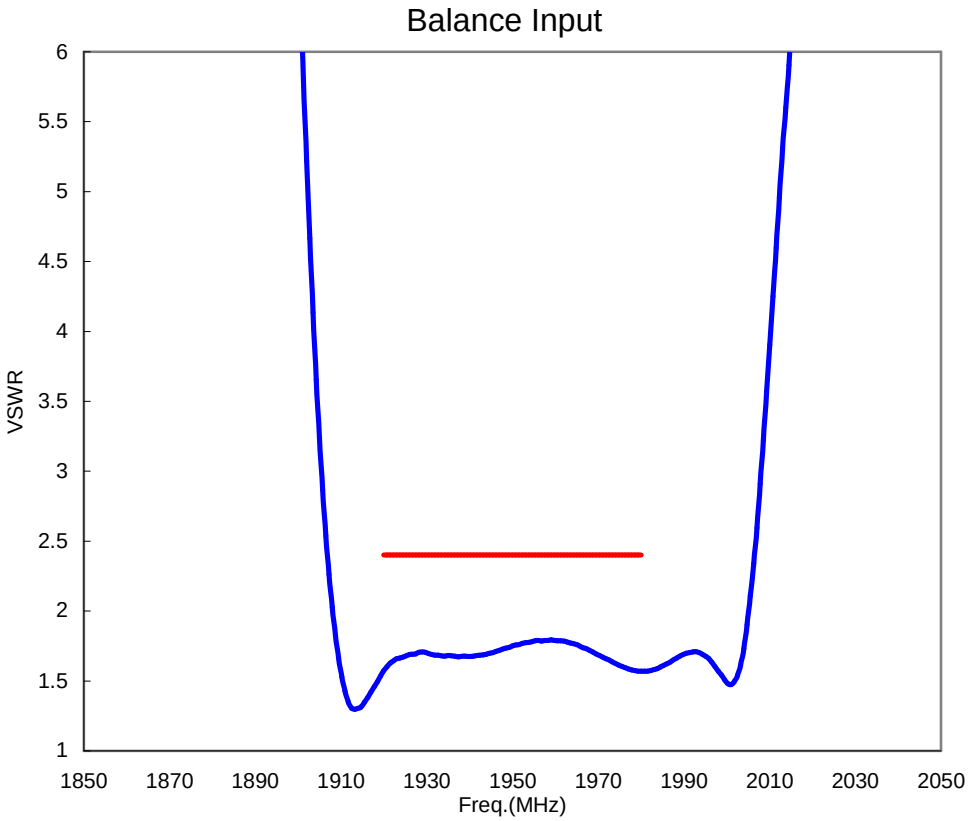
2. Wideband

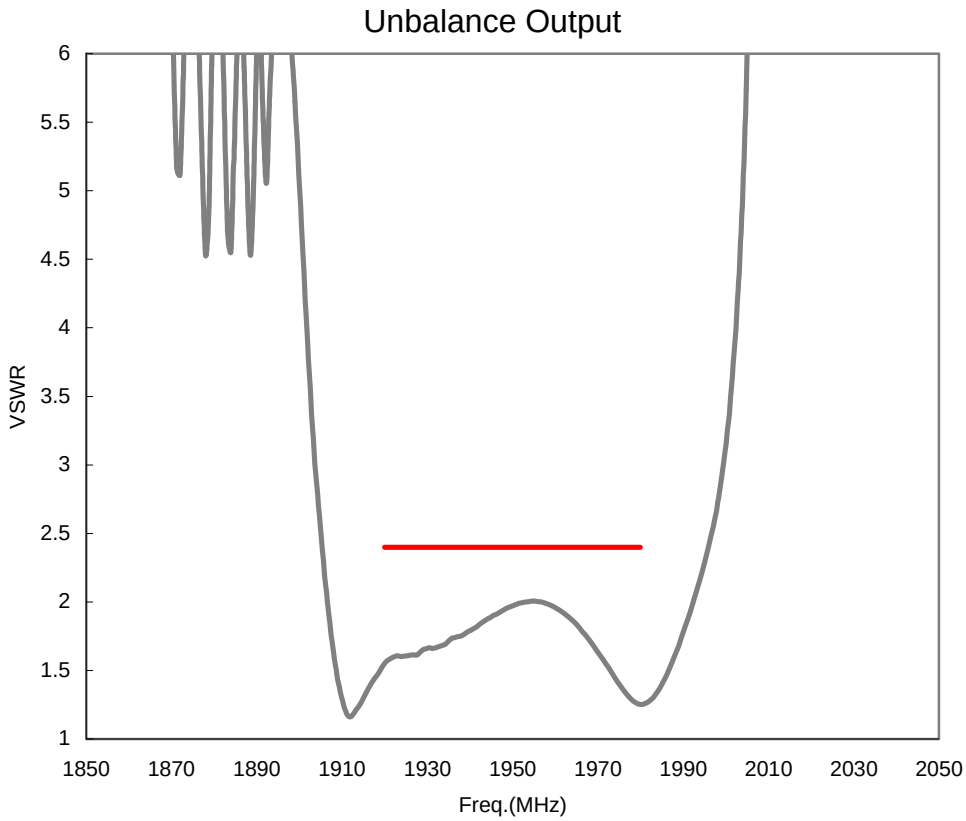


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3. VSWR (25℃)



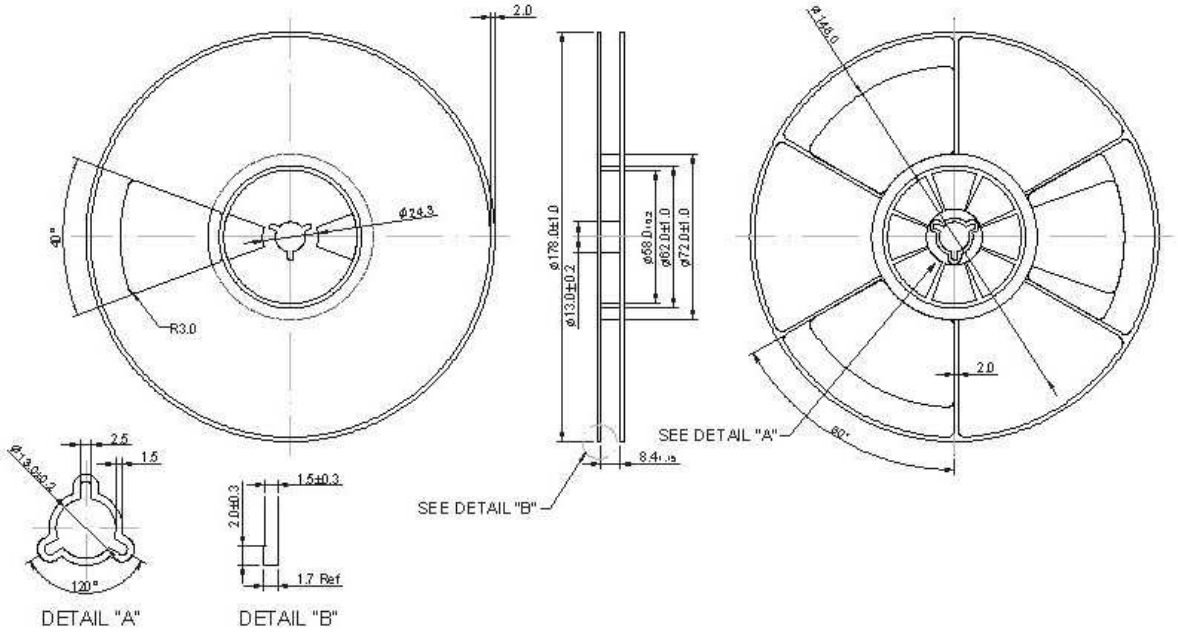


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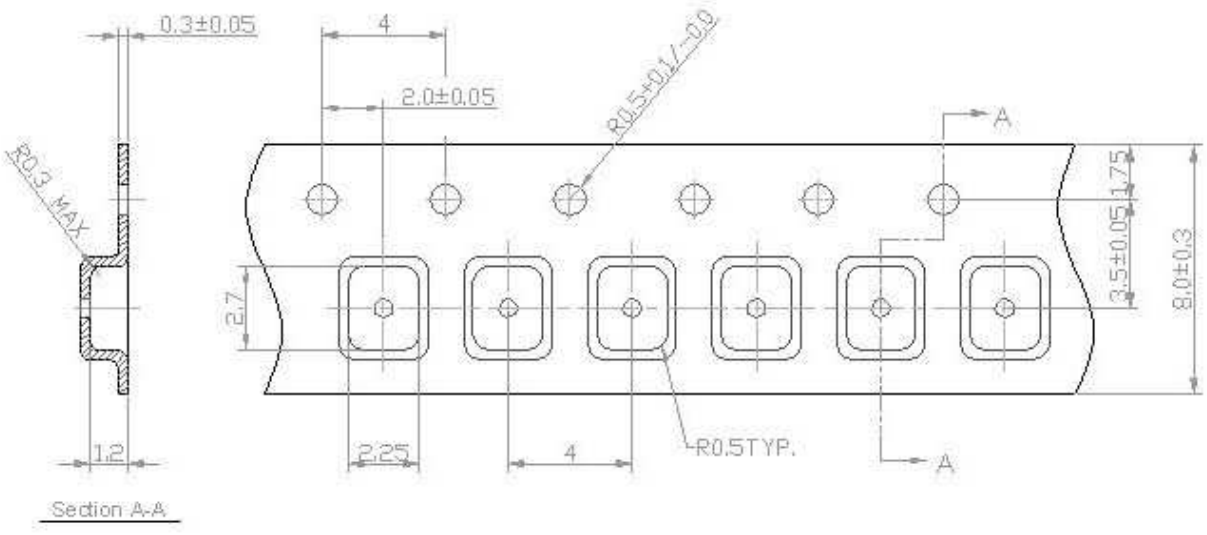
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G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



Direction of Feed