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

SAW Filter 1575.420MHz — Model: TA1464A
Part No: MP05144 — Rev. No:1

A. MAXIMUM RATING:

Electrostatic **S**ensitive **D**evice (**ESD**)

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

B. ELECTRICAL CHARACTERISTICS:

1. Terminating source impedance (single ended): Z_S = 50Ω
2. Terminating load impedance (single ended): Z_L = 50Ω

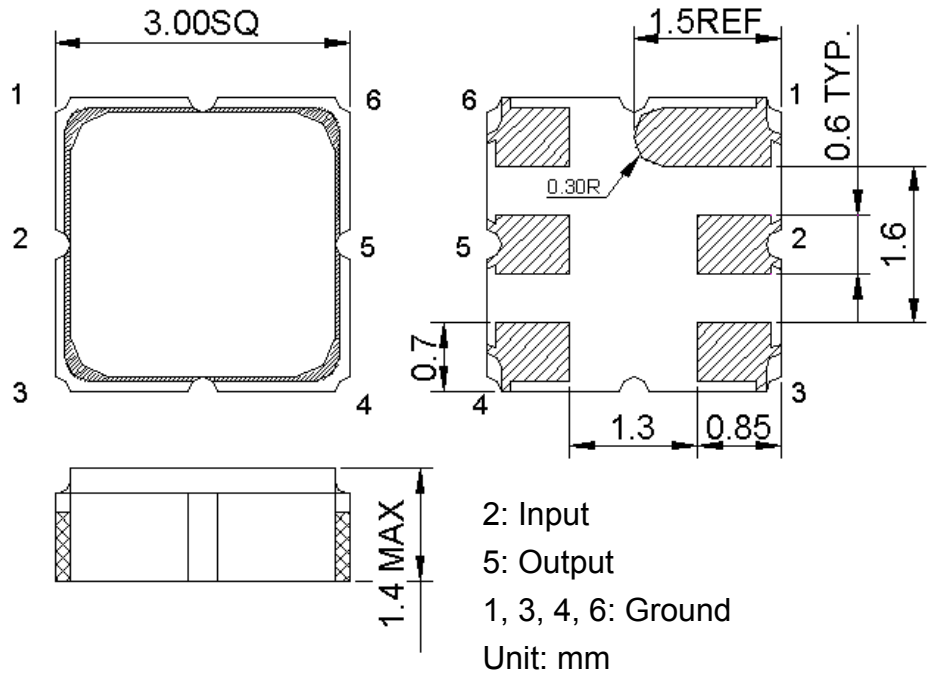
Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	1575.42	-	-
Insertion Loss (1574.42 ~ 1576.42MHz)	dB	-	2.2	3.5	-
Amplitude Variation (1574.42 ~ 1576.42MHz)	dB	-	0.2	1	-
VSWR (1574.42 ~ 1576.42MHz)		-	1.9	2.3	-
Attenuation (reference level from 0dB)					
100 ~ 1000MHz	dB	60	64	-	-
1500MHz	dB	40	48	-	-
1535.42MHz	dB	35	45	-	-
1615.42MHz	dB	25	65	-	-
1640MHz	dB	45	60	-	-
1700MHz	dB	50	56	-	-
1700 ~ 2200MHz	dB	43	46	-	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-	-

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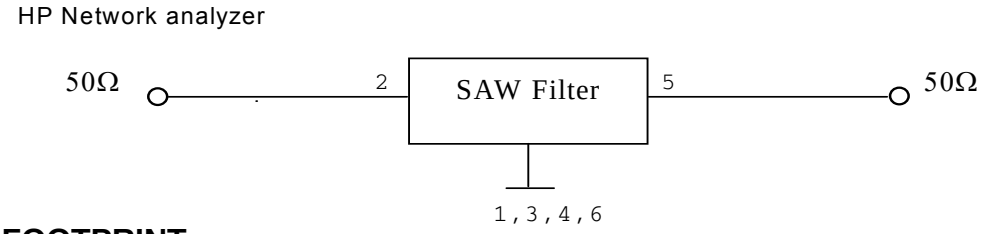
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C. OUTLINE DRAWING:

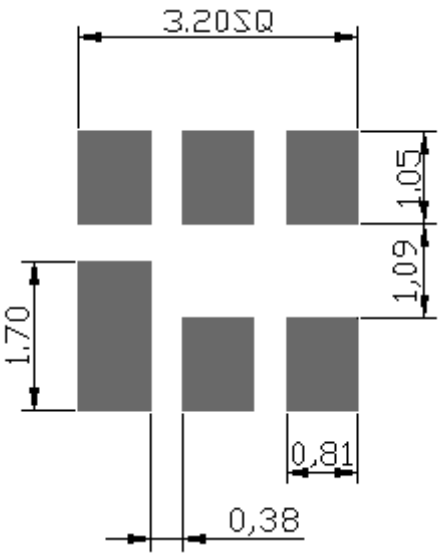


2: Input
5: Output
1, 3, 4, 6: Ground
Unit: mm

D. MEASUREMENT CIRCUIT:



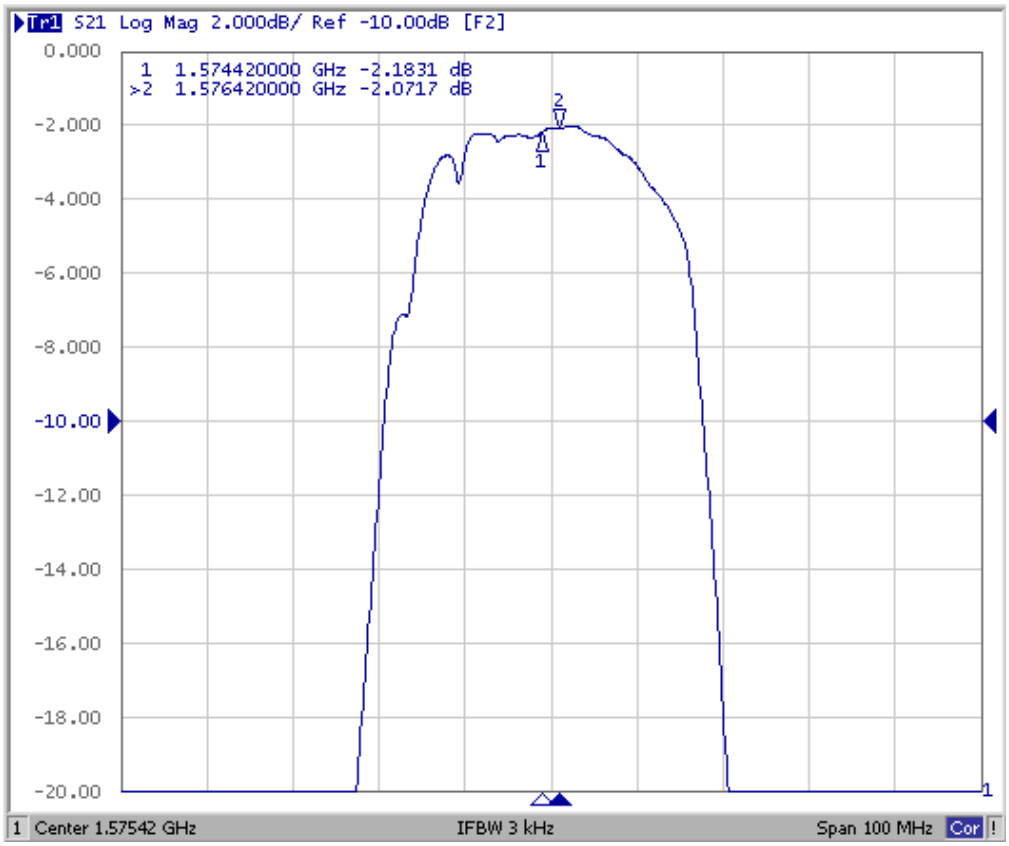
E. PCB FOOTPRINT:

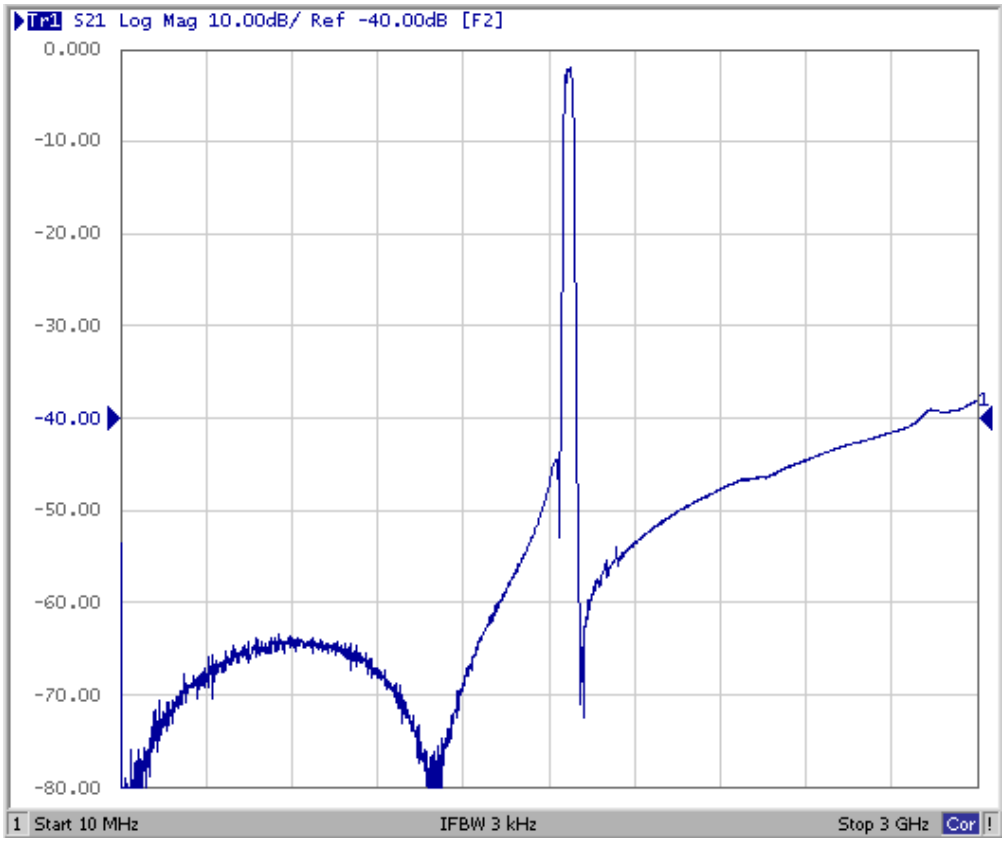


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F. FREQUENCY CHARACTERISTICS:





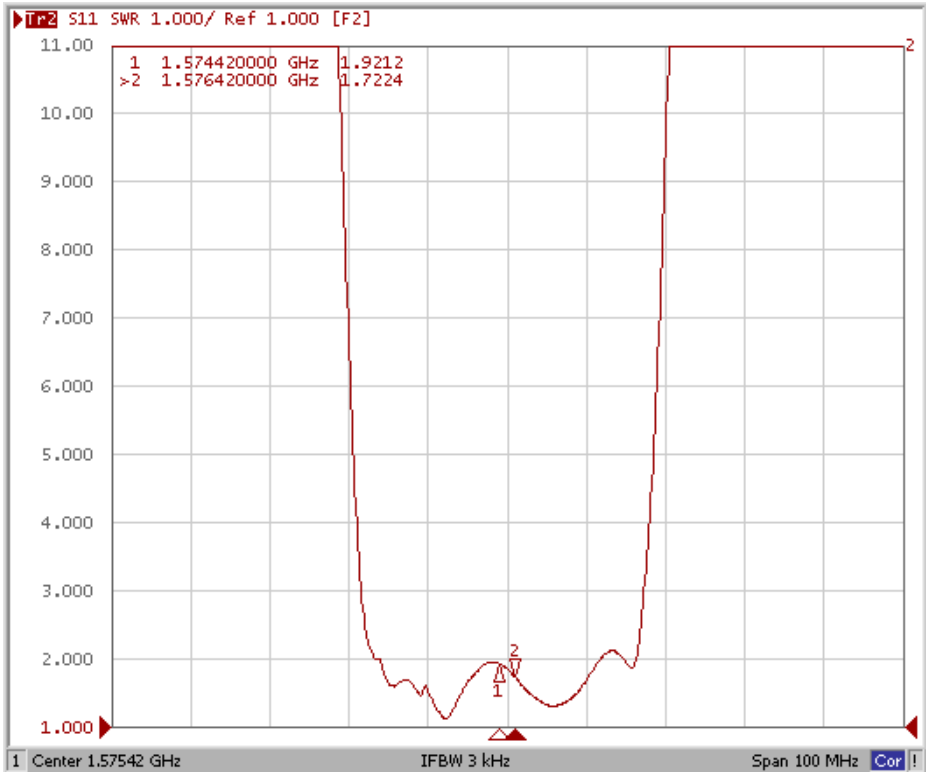
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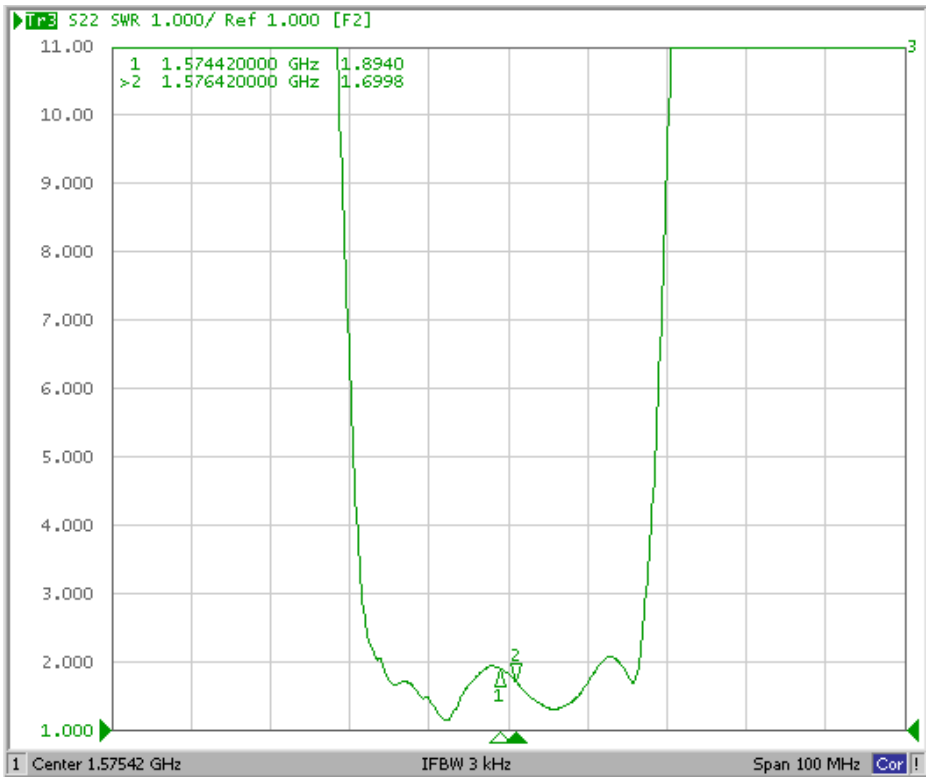
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Reflection Functions

S11



S22

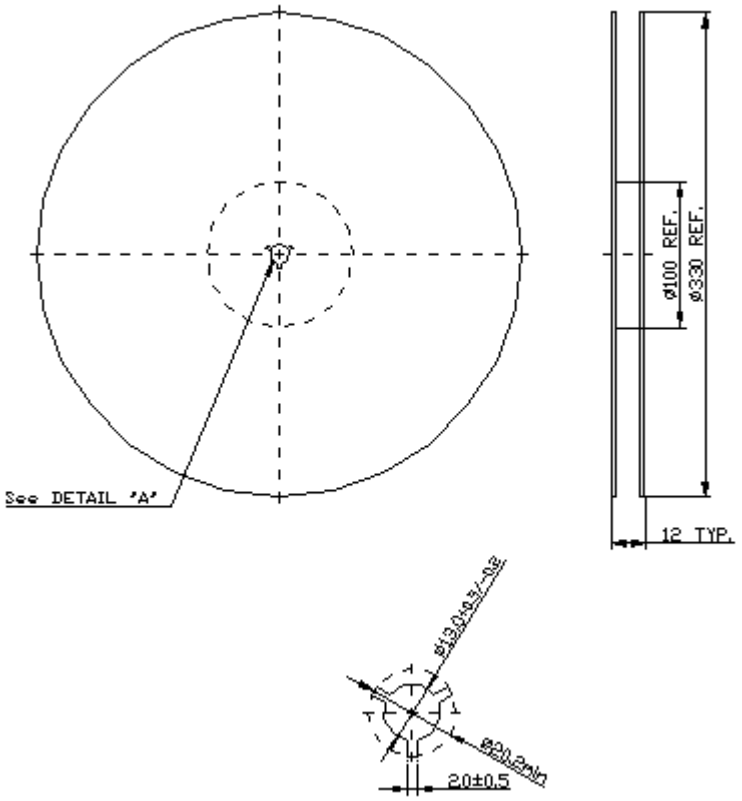


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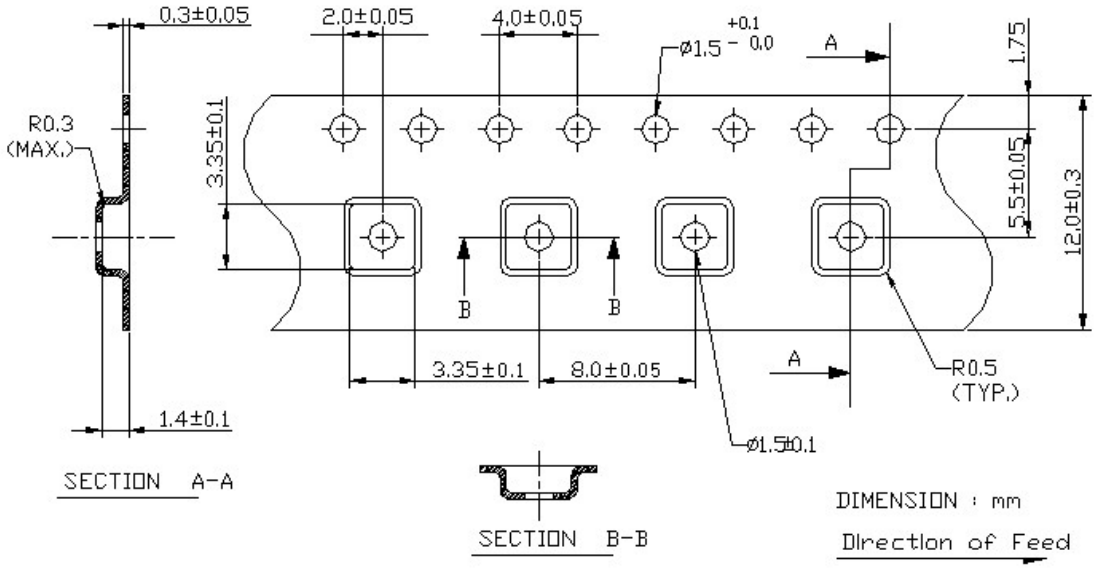
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G. PACKING:

1. Reel Dimension



2. Tape Dimension



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H. RECOMMENDED REFLOW PROFILE:

1. Preheating shall be fixed at 150 ~ 180°C for 60 ~ 90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50 ~ 80 seconds and at 245 ~ 260°C peak (min. 10sec).
4. Time: 2 times.

