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Eaglewood Park, ILMINSTER
Somerset, TA19 9DQ, UK

SAW Filter 2040.0MHz — Model: TA1079A
Part No: MP03835 — Rev No:1

A. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -50°C to +95°C

B. ELECTRICAL CHARACTERISTICS:

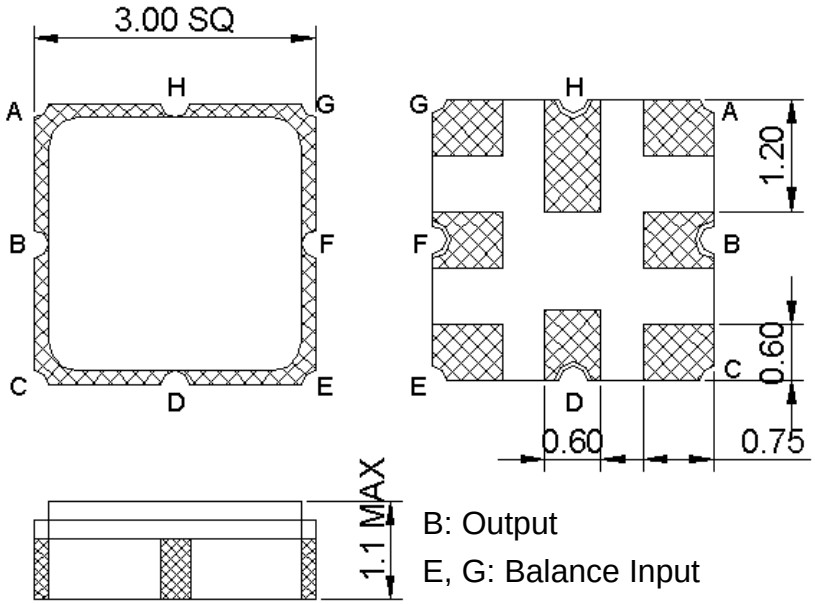
1. Terminating source impedance (balanced): Z_S = 200Ω // 15nH
2. Terminating load impedance (single ended): Z_L = 50Ω

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	2040	-	-
Bandwidth at -2dB	MHz	60	94	-	-
Insertion Loss in 2010MHz ~ 2070MHz	dB	-	3.5	5	-
Amplitude ripple (2010MHz ~ 2070MHz)	dB	-	0.7	2	-
I/O VSWR (2010MHz ~ 2070MHz)		-	1.9	2.5	-
Attenuation (reference level from 0dB)					
50 ~ 1925MHz	dB	42	56	-	-
2190 ~ 3000MHz	dB	42	47	-	-
3000 ~ 4000MHz	dB	35	41	-	-
4000 ~ 6000MHz	dB	15	22	-	-

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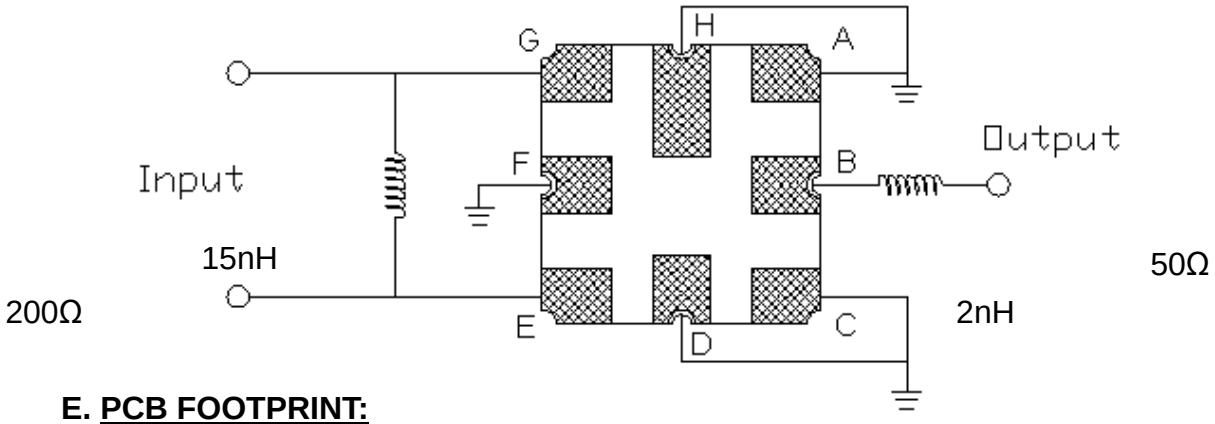
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C. OUTLINE DRAWING:

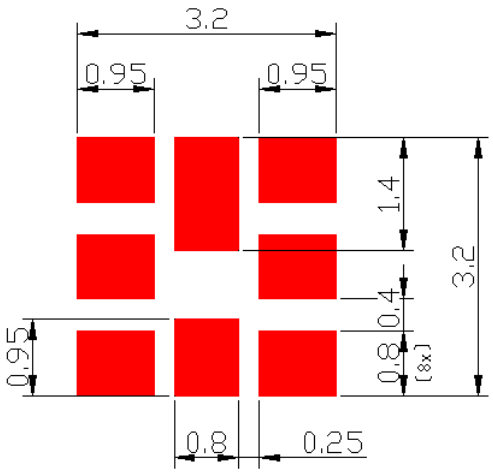


B: Output
E, G: Balance Input
A, C, D, F, H: Ground
Unit: mm

D. MEASUREMENT CIRCUIT:



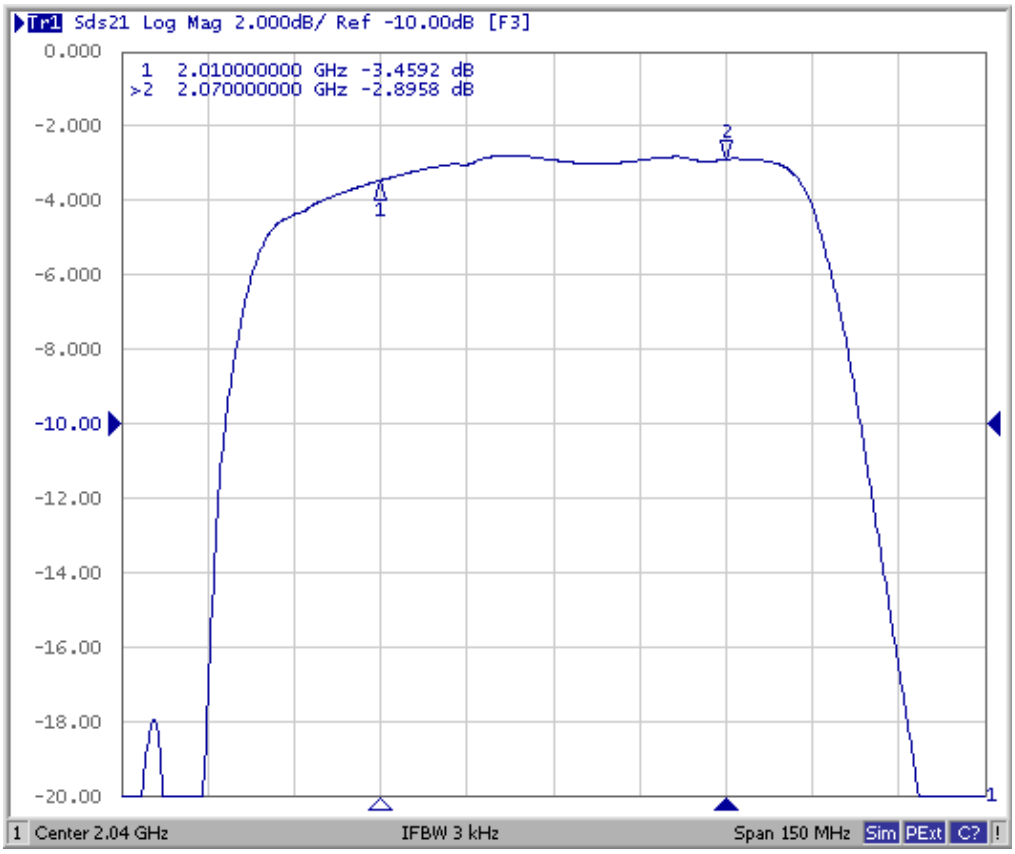
E. PCB FOOTPRINT:

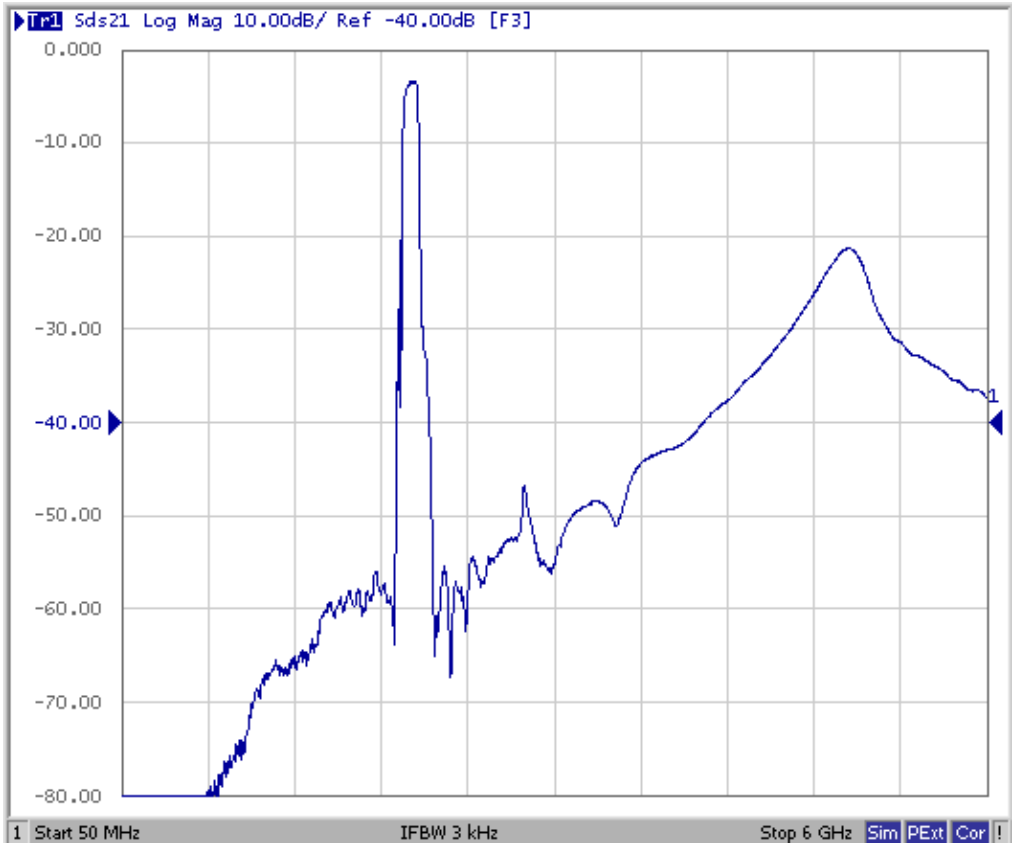


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F. FREQUENCY CHARACTERISTICS:





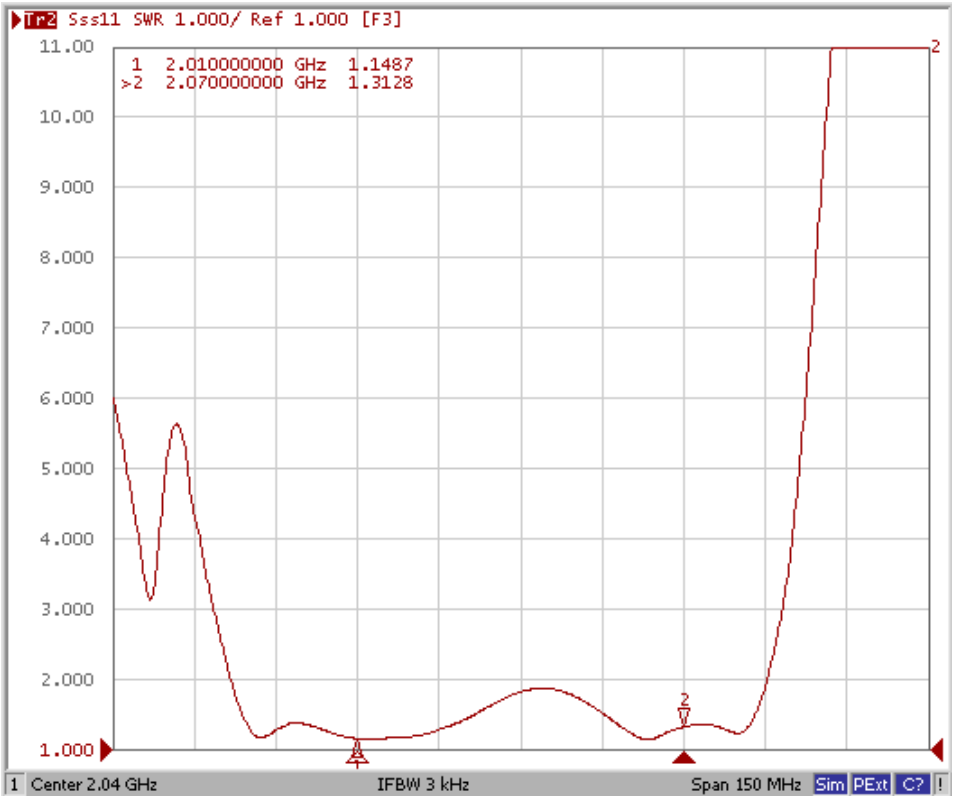
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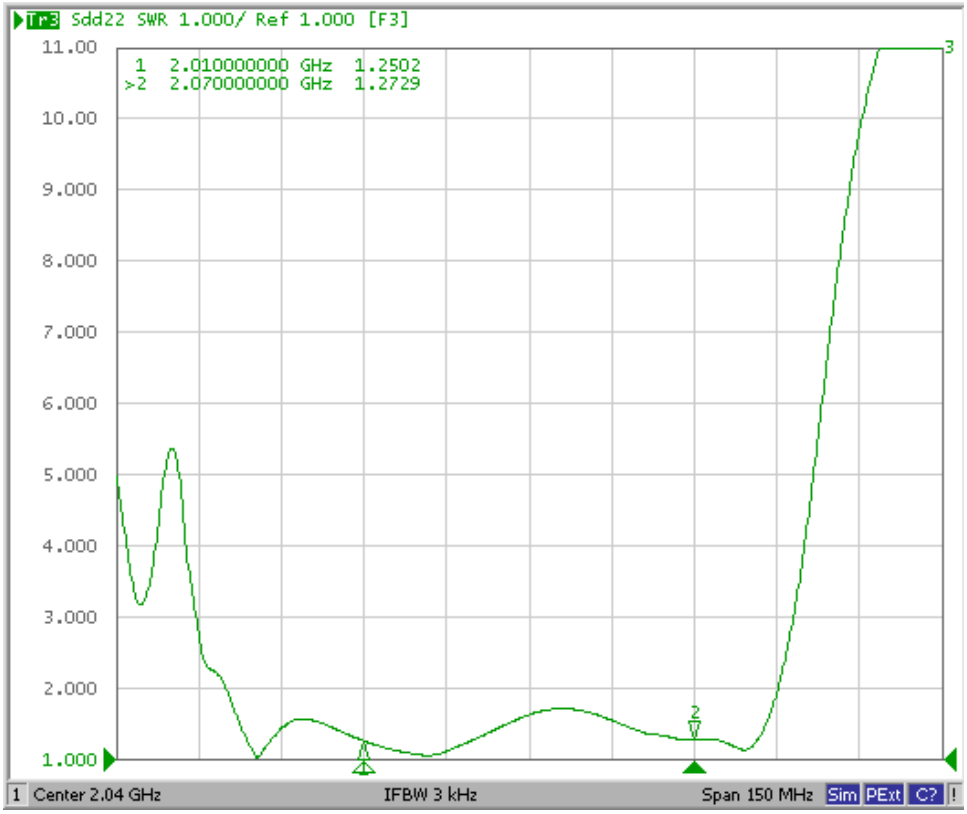
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Part No: MP03835 — Rev No:1

Reflection Functions

S11



S22



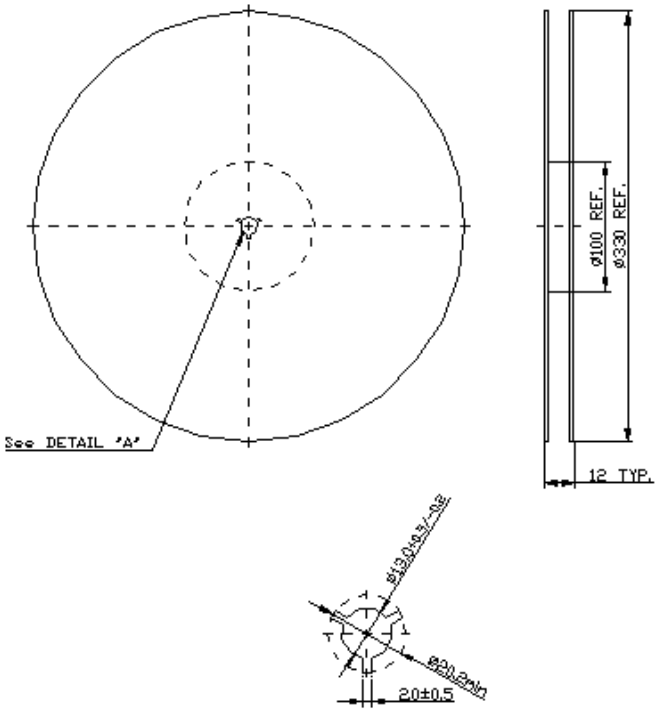
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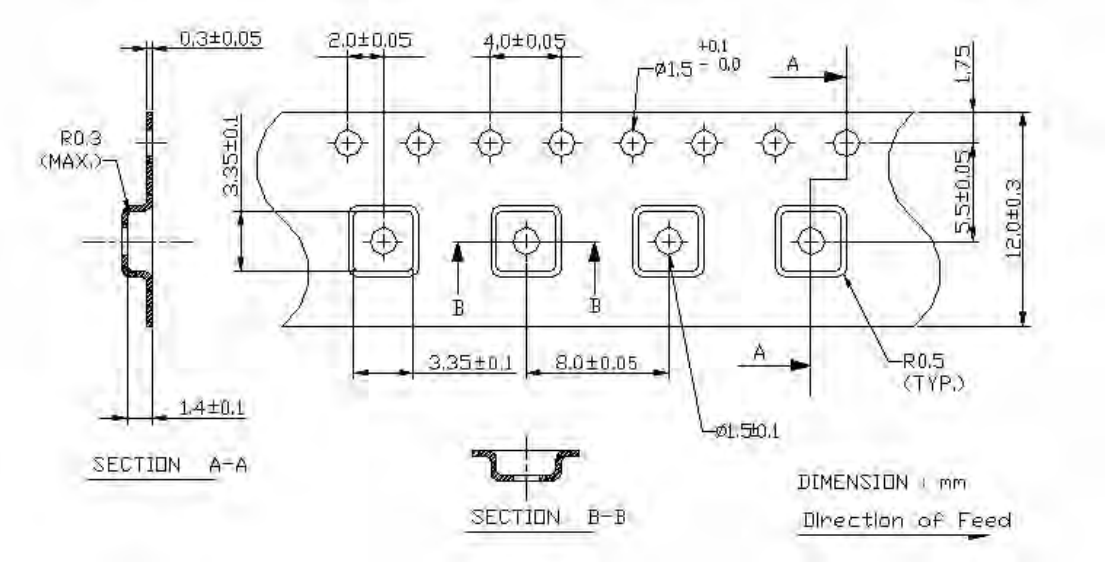
G. PACKING:

1. Reel Dimension

(Reel Count: 7" = 1000; 13" = 3000)



2. Tape Dimension



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H. RECOMMENDED REFLOW PROFILE:

