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

SAW Filter 2017.50MHz — Model: TA1193A
Part No: MP04468 — Rev No:1

A. MAXIMUM RATING:

1. Input Power Level: 12dBm
2. DC Voltage: 3V
3. Operating Temperature: -25°C to +85°C
4. Storage Temperature: -40°C to +95°C

B. ELECTRICAL CHARACTERISTICS:

1. Terminating source impedance (single-ended): Z_S = 50Ω
2. Terminating load impedance (differential): Z_L = 200Ω // 27nh

Item	Unit	Min.	Typ.	Max.
Center Frequency Fc	MHz	-	2017.5	-
Insertion Loss (2010 ~ 2025MHz) IL	dB	-	3	3.5
Amplitude ripple (2010 ~ 2025MHz)	dB	-	0.8	1.4
Group Delay ripple (2010 ~ 2025MHz)	ns	-	13	20
Output amplitude balance (|S31/S21|) (2010~2025MHz)	dB	-3	0.3	3
Output phase balance (Φ(S31)-Φ(S21)+180°) (2010~2025MHz)	deg	-13	-3	13
VSWR (2010 ~ 2025MHz)		-	1.6	2.5
Attenuation				
100 ~ 995MHz	dB	32	65	-
995 ~ 1022MHz	dB	35	65	-
1022 ~ 1925MHz	dB	25	41	-
1925 ~ 1950MHz	dB	22	42	-
1950 ~ 1980MHz	dB	13	25	-
2050 ~ 2085MHz	dB	5	19	-
2085 ~ 2110MHz	dB	15	25	-
2430 ~ 2565MHz	dB	35	51	-
2565 ~ 4010MHz	dB	32	46	-
4010 ~ 4060MHz	dB	40	58	-
4060 ~ 6000MHz	dB	32	55	-

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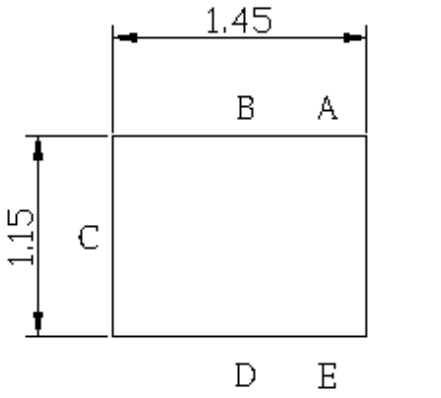
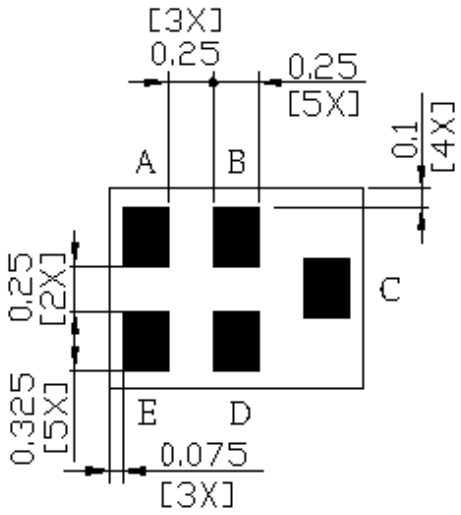
C. OUTLINE DRAWING:

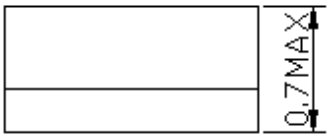
top view



bottom view

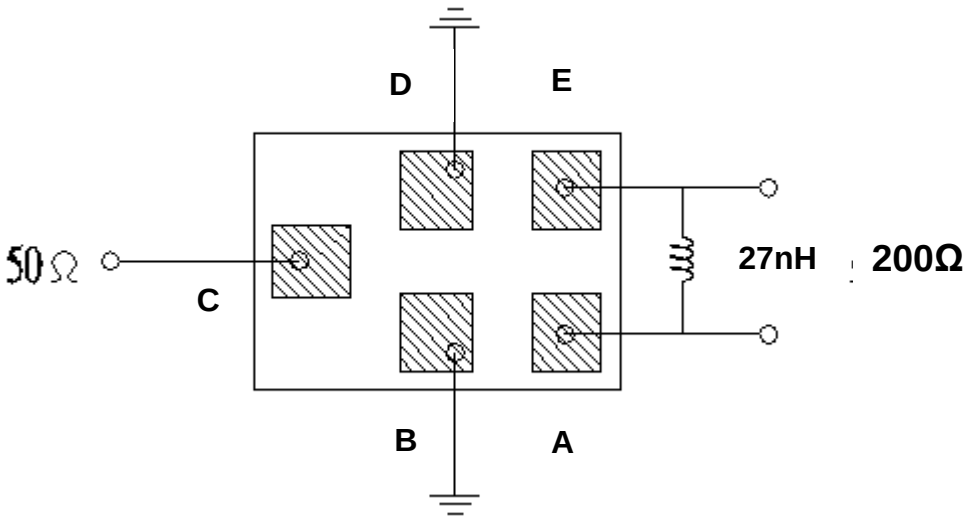


side view



C: Unbalance Input
A, E: Balance Output
B, D: Ground
Unit: mm

D. MEASUREMENT CIRCUIT:



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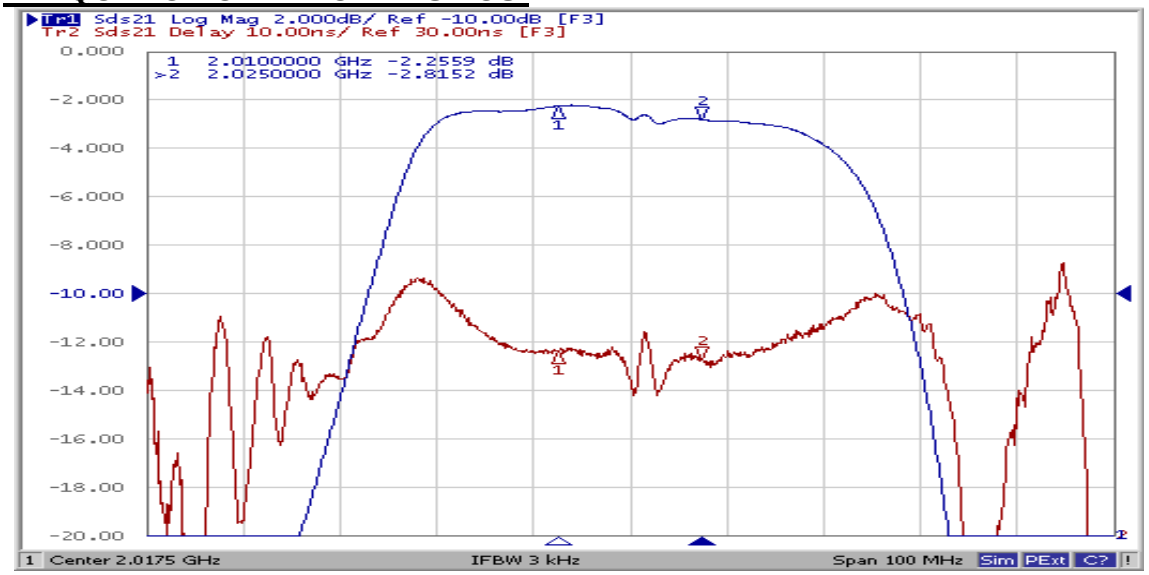
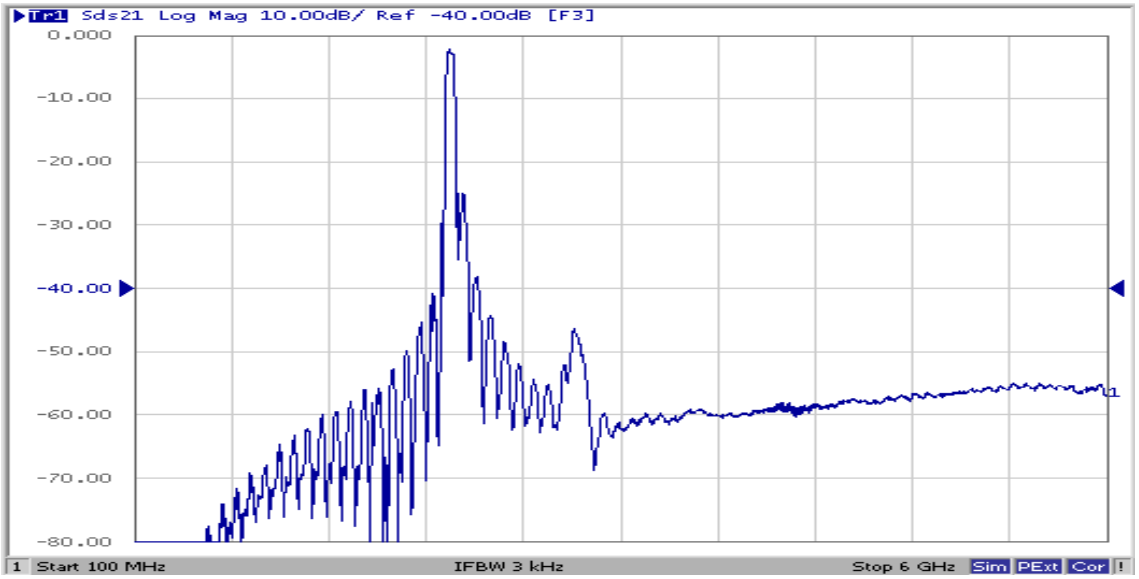
E. FREQUENCY CHARACTERISTICS:





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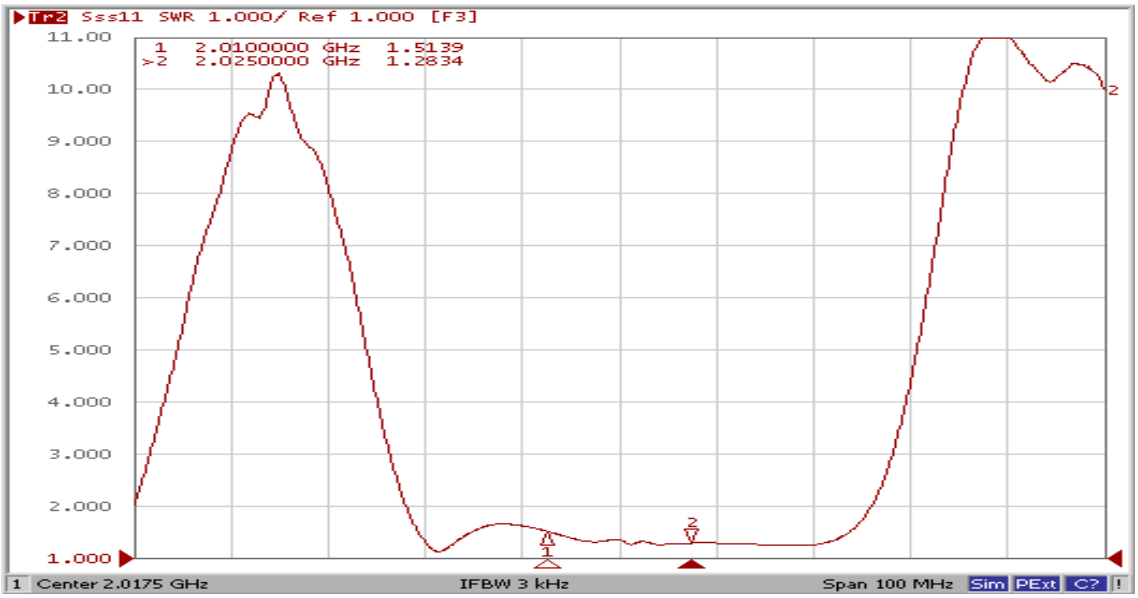

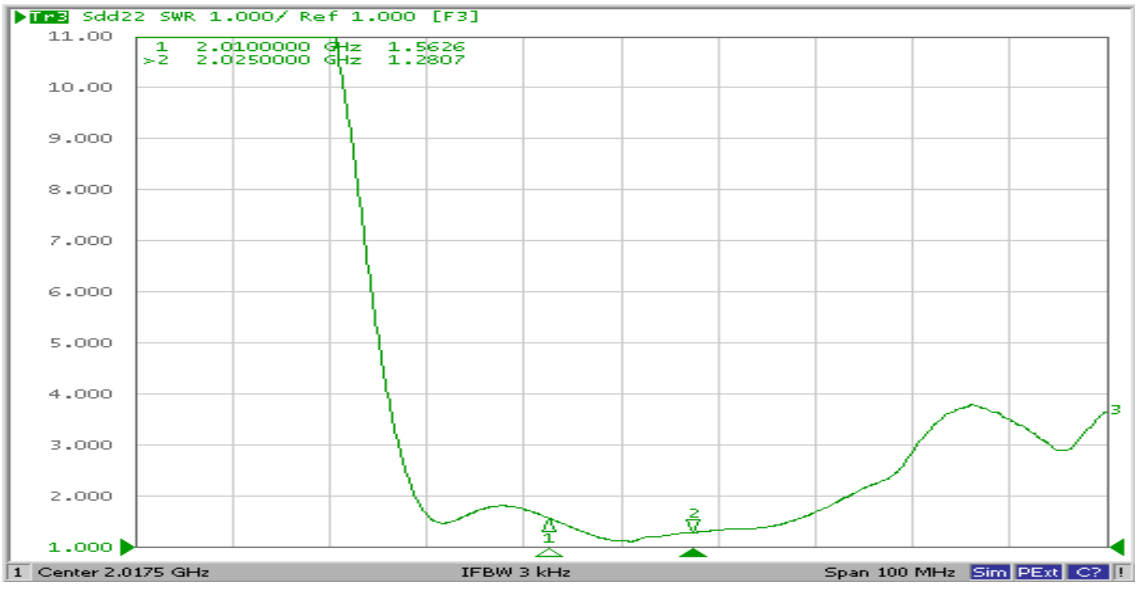

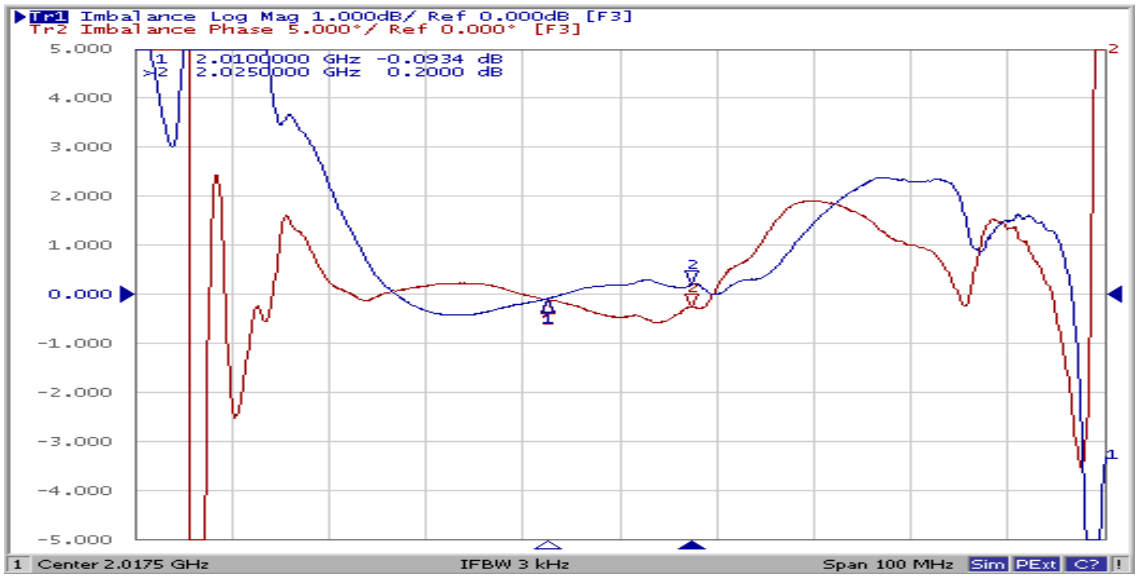

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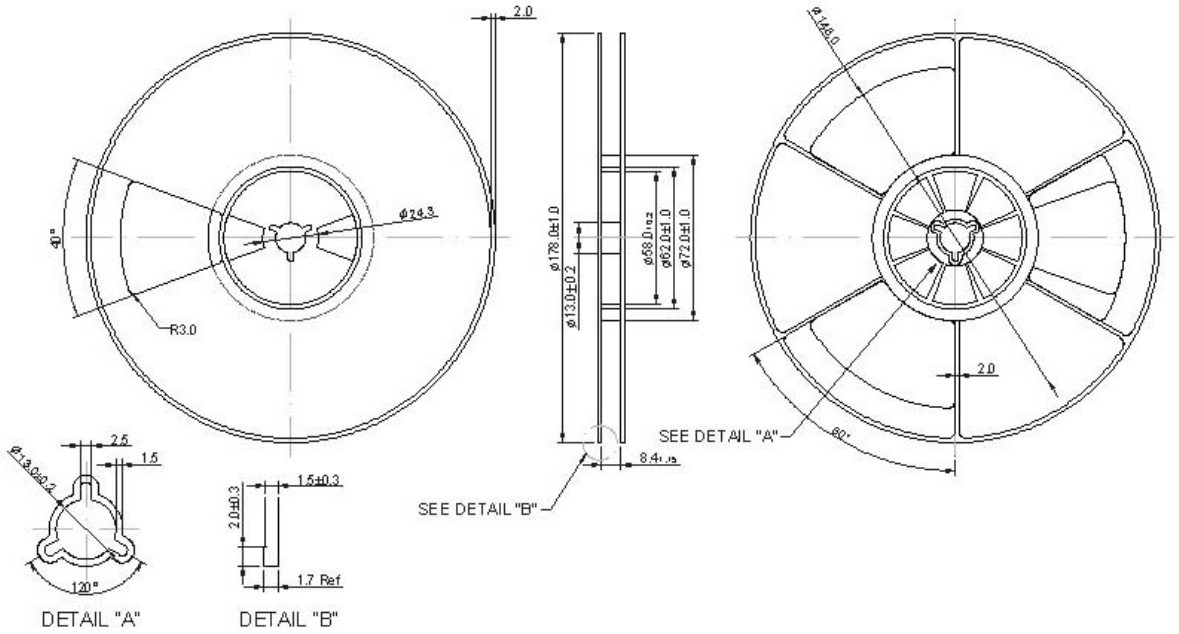
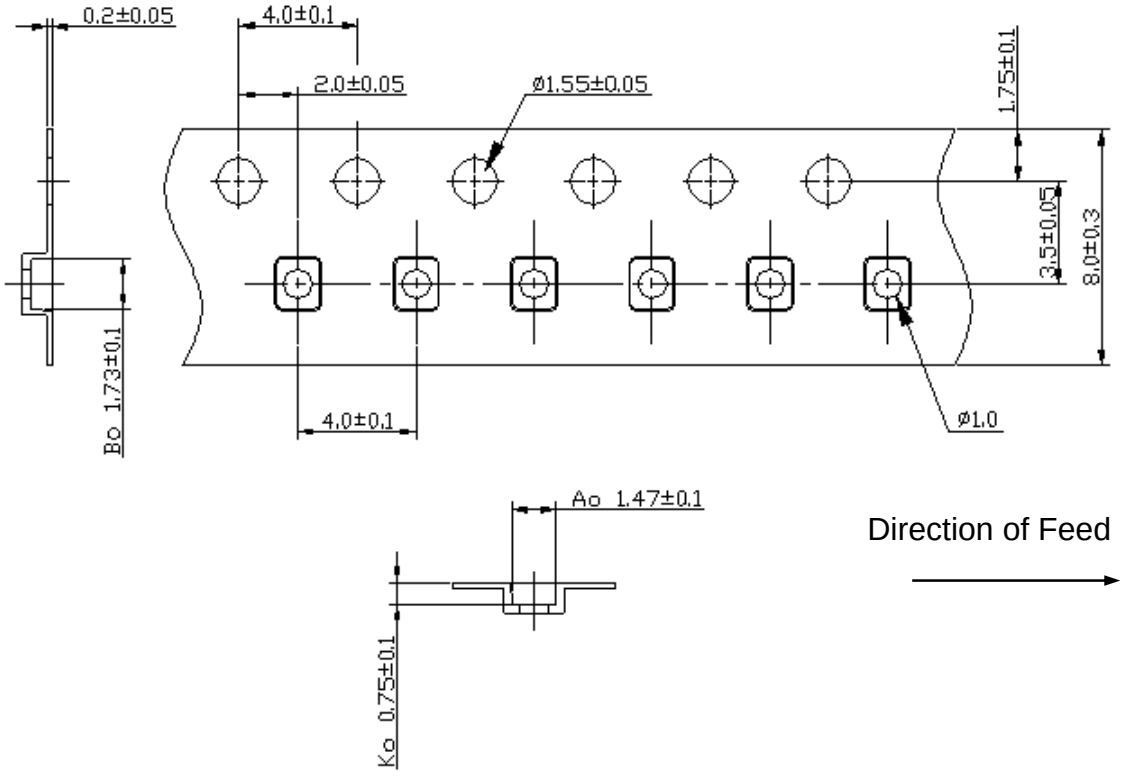
F. PACKING:

1. Reel Dimension



2. Tape Dimension



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G. RECOMMENDED REFLOW PROFILE: