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

SAW Filter 916.450MHz — Model: TA0344A
Part No: MA07630 — Rev No: 2

A. MAXIMUM RATING:

1. Input Power Level: 15dBm
2. DC voltage: 5V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

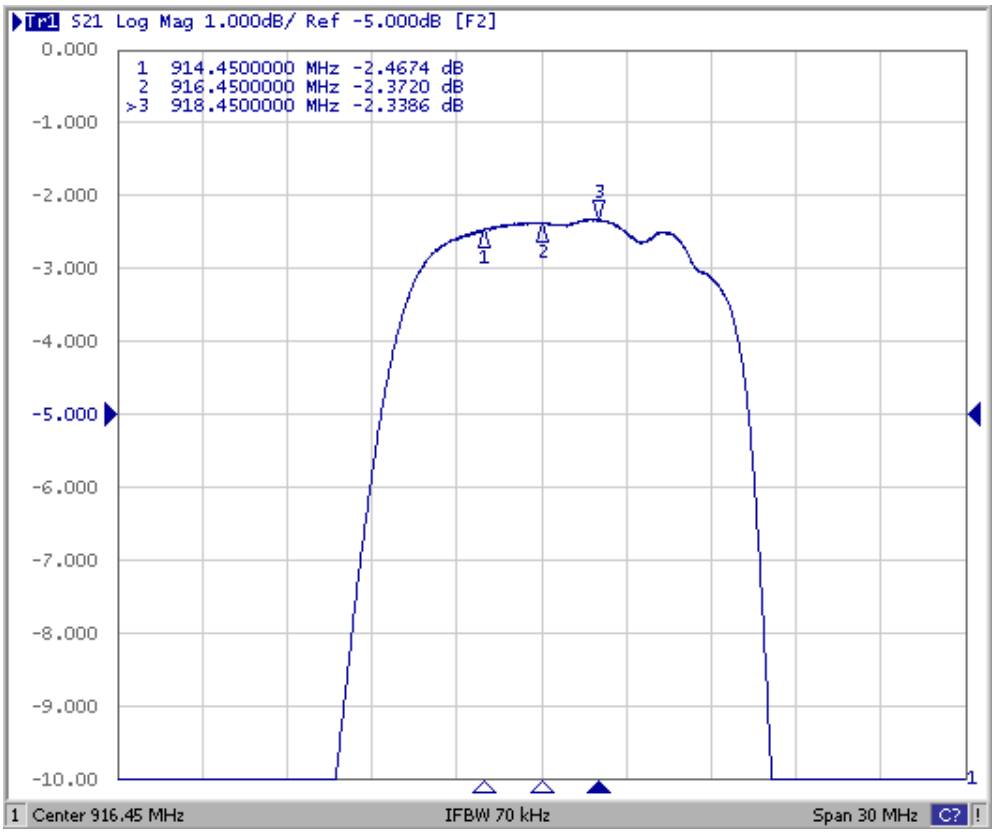
Item	Min.	Typ.	Max.
Center frequency Fc MHz	-	916.45	-
Insertion loss 914.45 ~ 918.45MHz IL (dB)	-	2.7	3.5
Amplitude ripple 914.45 ~ 918.45MHz (dB)	-	0.3	1.0
VSWR 914.45 ~ 918.45MHz	-	1.5	2.0
Absolute Attenuation			
D.C. ~ 600MHz (dB)	50	57	-
600 ~ 840MHz (dB)	40	51	-
869 ~ 894MHz (dB)	35	46	-
970 ~ 1500MHz (dB)	40	47	-
1500 ~ 3000MHz (dB)	25	32	-
Source impedance Z_S (Ω)	-	50	-
Load impedance Z_L (Ω)	-	50	-

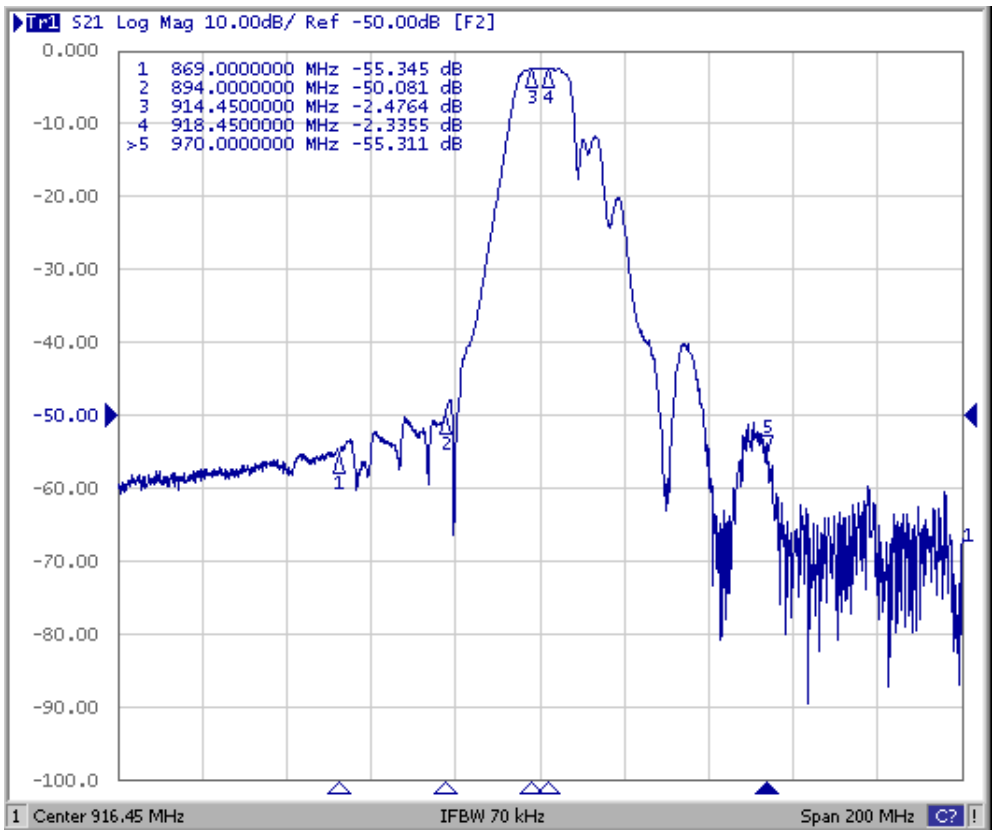
Note 1. No matching network required for operation at 50

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C. FREQUENCY CHARACTERISTICS:





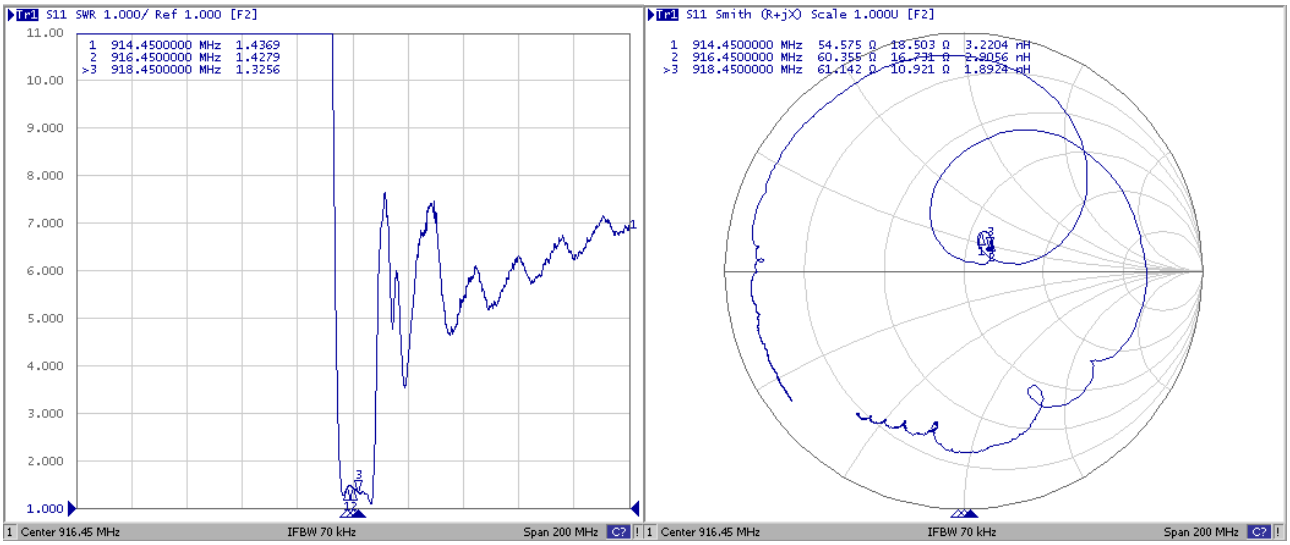
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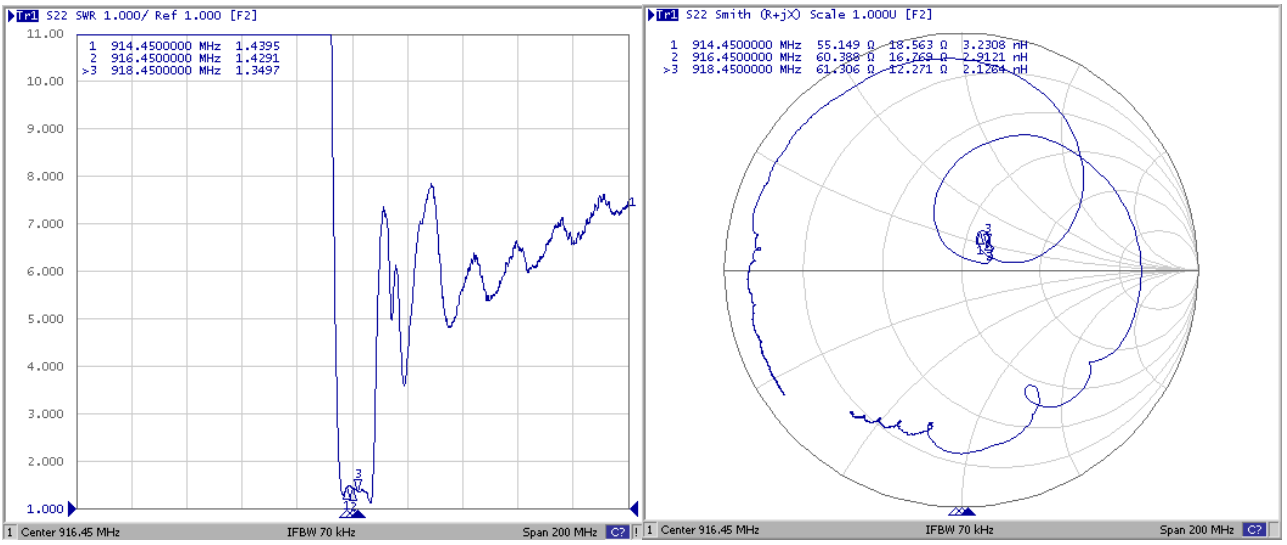
SAW Filter 916.450MHz — Model: TA0344A
Part No: MA07630 — Rev No: 2

Reflections Functions

S11



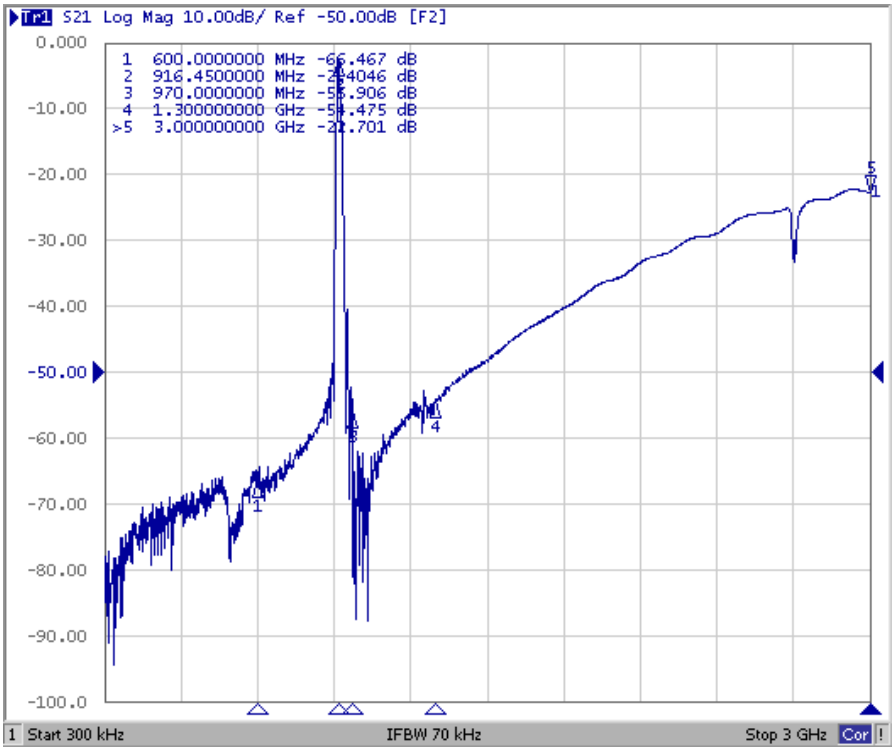
S22



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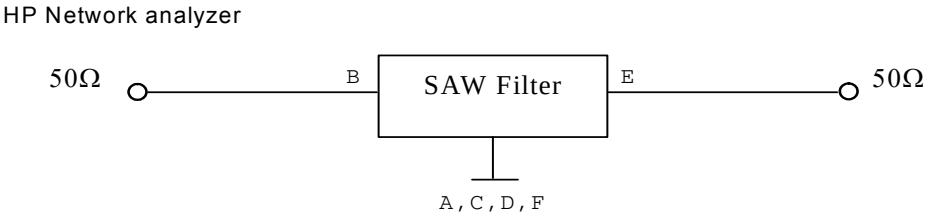
Wideband



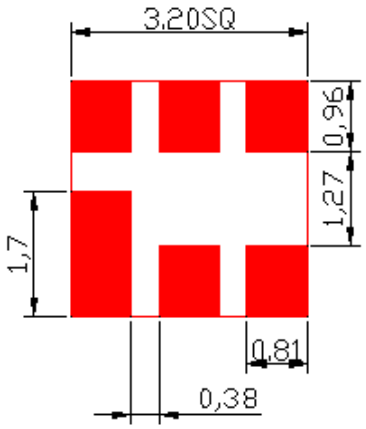
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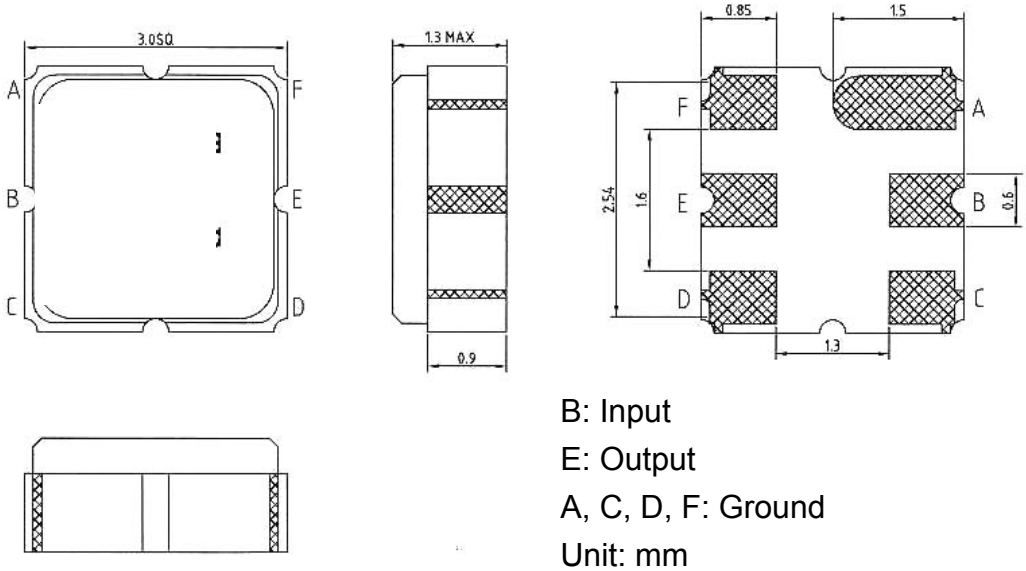
D. MEASUREMENT CIRCUIT:



E. PCB FOOTPRINT:



F. OUTLINE DRAWING:



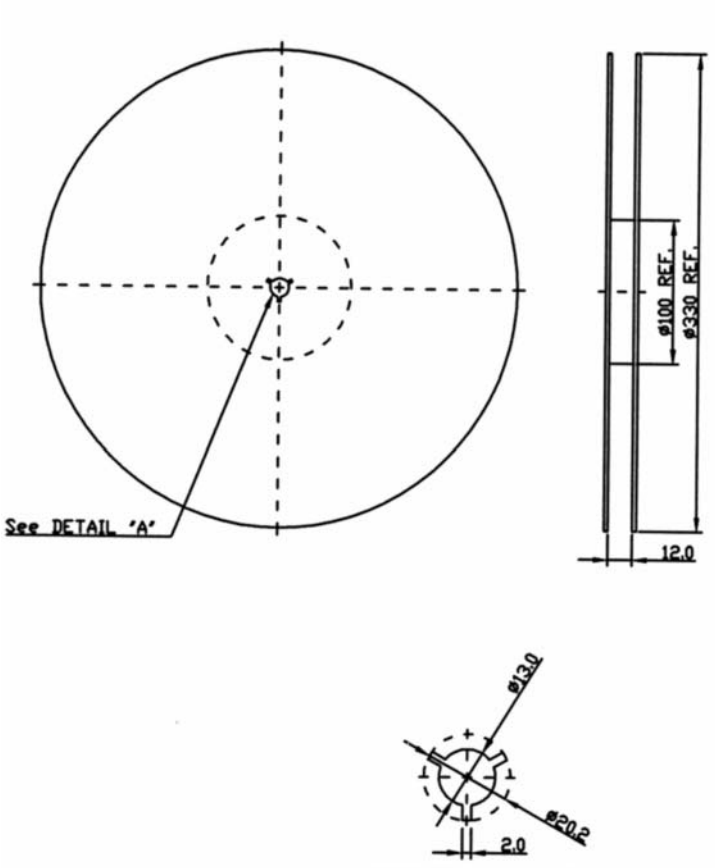
B: Input
E: Output
A, C, D, F: Ground
Unit: mm

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G. PACKING:

1. Reel Dimension



2. Tape Dimension

