

SAW Filter 916.450MHz

Model: TA1727A

Part No: MP06994

Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

1. Input Power Level: 20dBm
2. DC voltage: 5V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	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	-
930 ~ 937MHz	dB	8	13	-
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 Ω

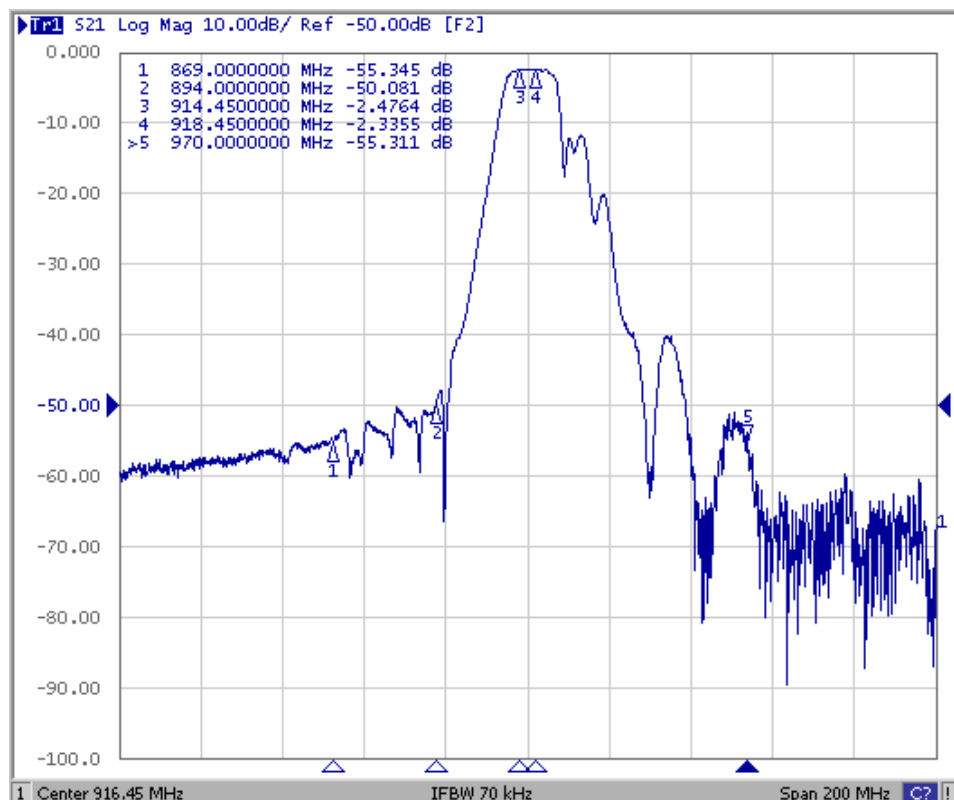
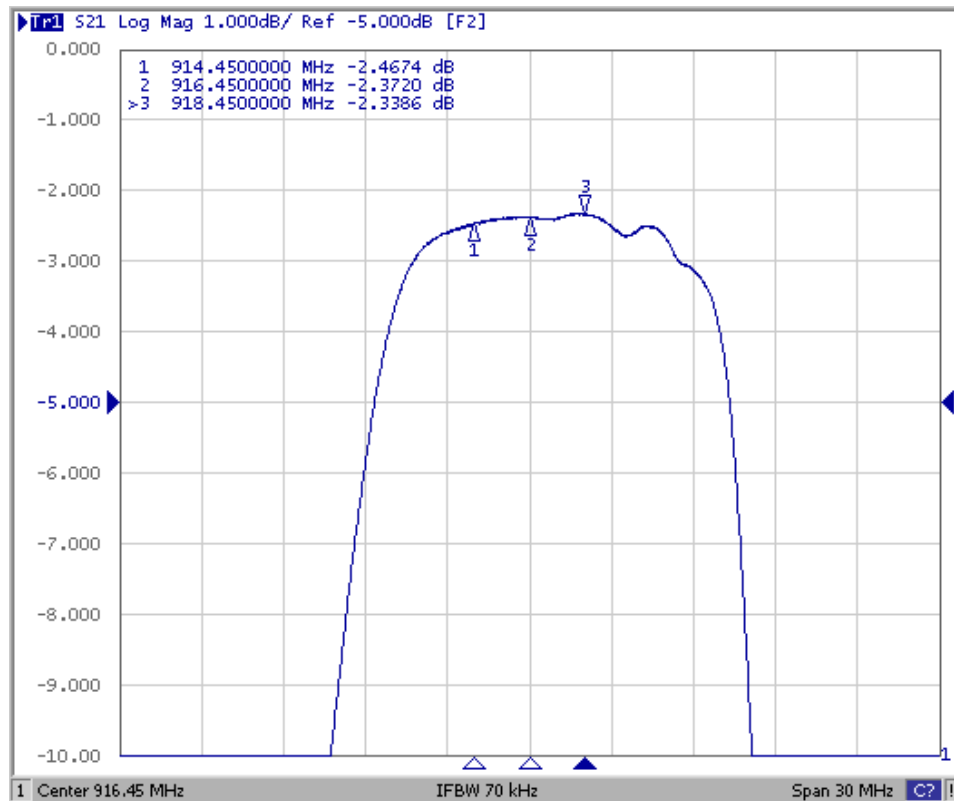
SAW Filter 916.450MHz

Model: TA1727A

Part No: MP06994

Rev No: 1

C. FREQUENCY CHARACTERISTICS:



SAW Filter 916.450MHz

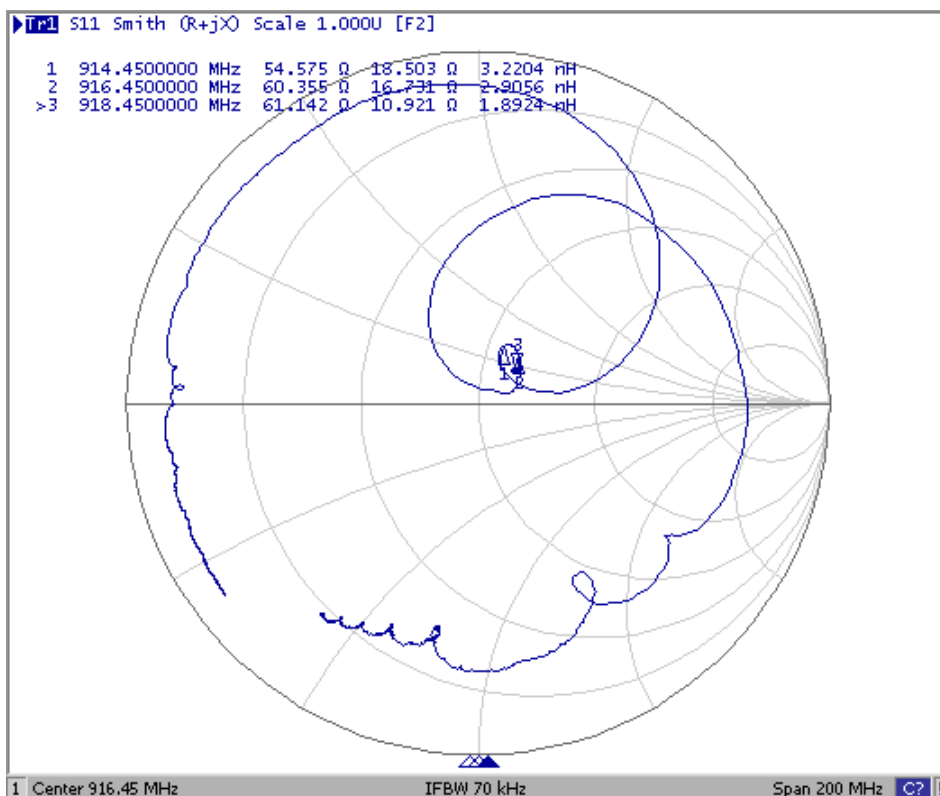
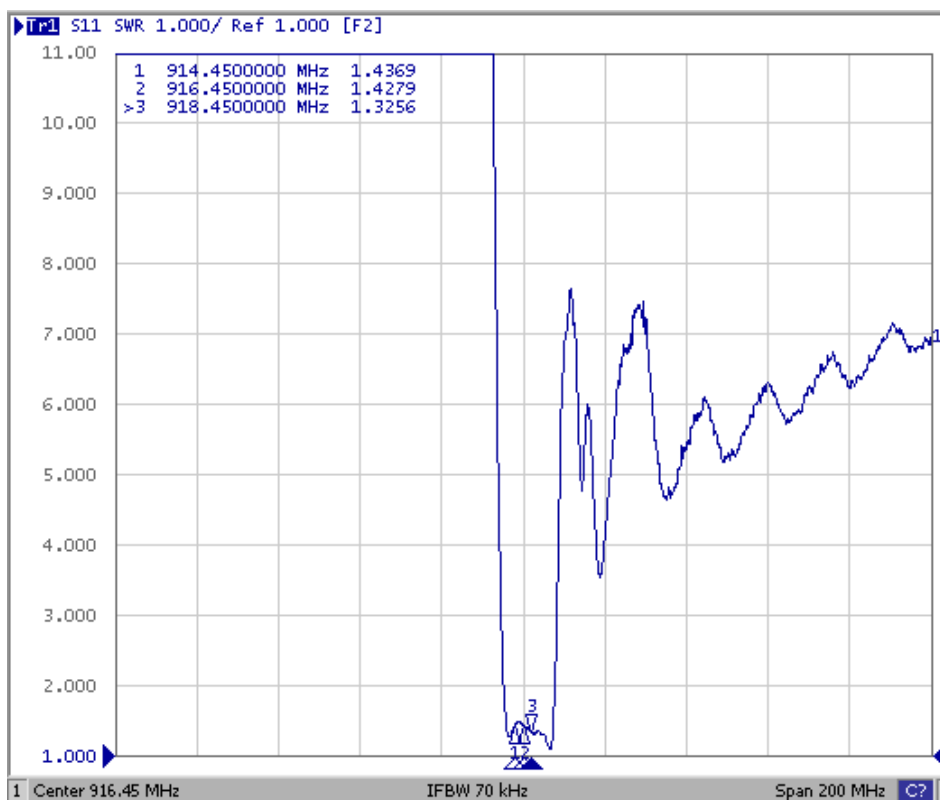
Model: TA1727A

Part No: MP06994

Rev No: 1

Reflections Functions

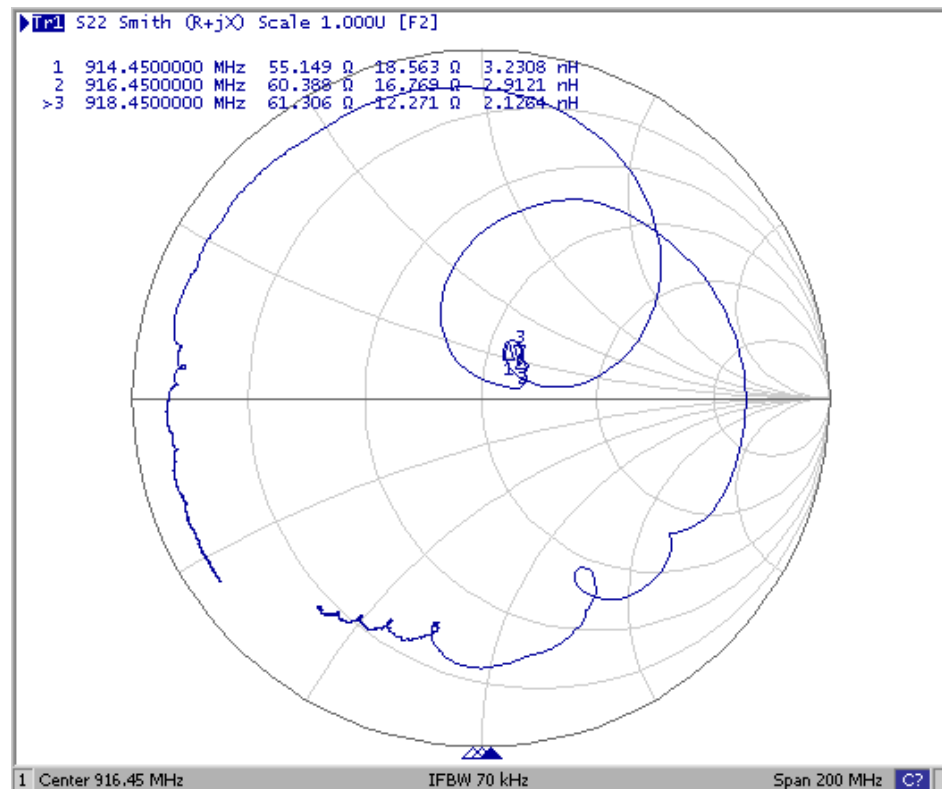
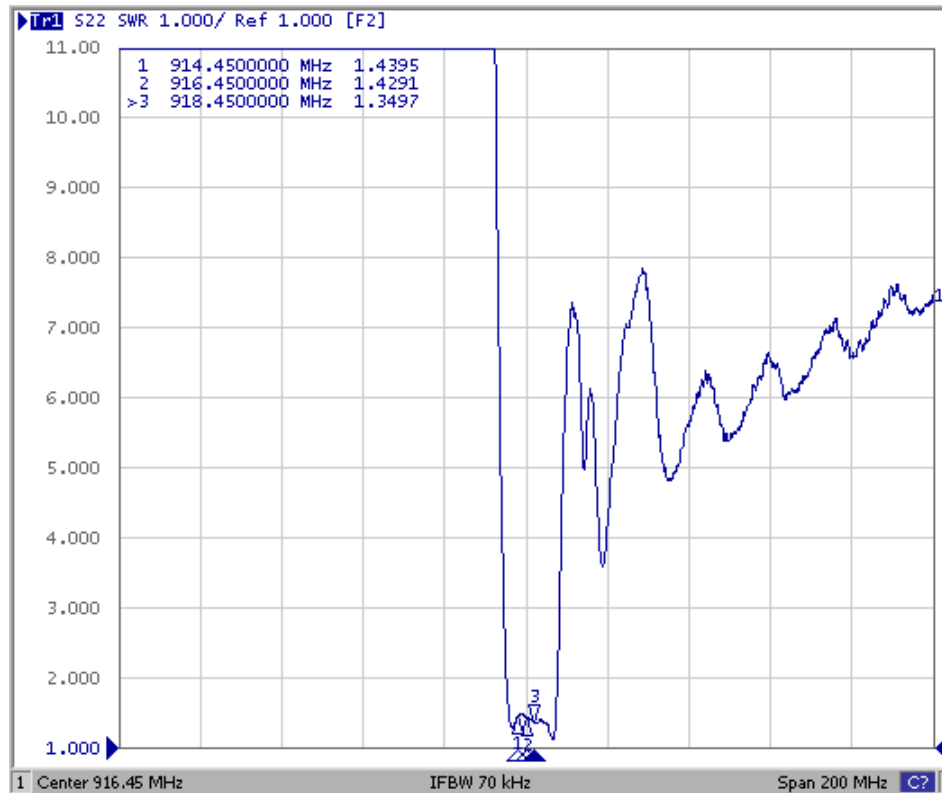
S11



SAW Filter 916.450MHz
Part No: MP06994

Model: TA1727A
Rev No: 1

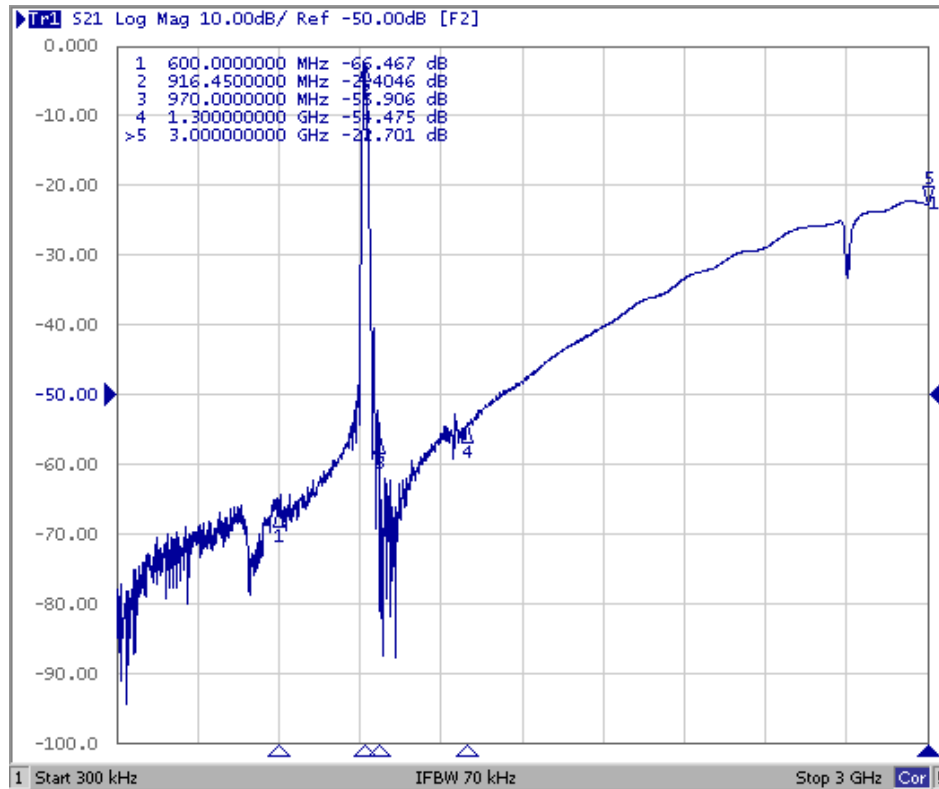
S22



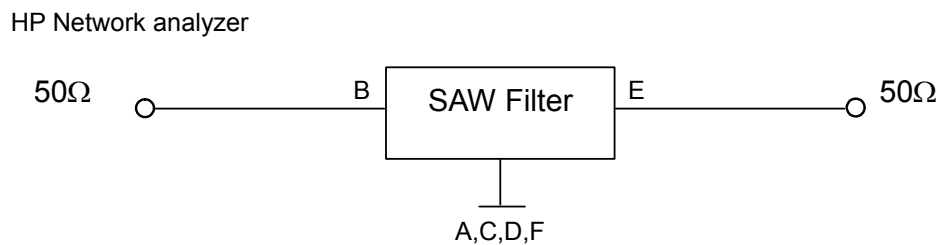
SAW Filter 916.450MHz
Part No: MP06994

Model: TA1727A
Rev No: 1

Wideband



D. MEASUREMENT CIRCUIT:



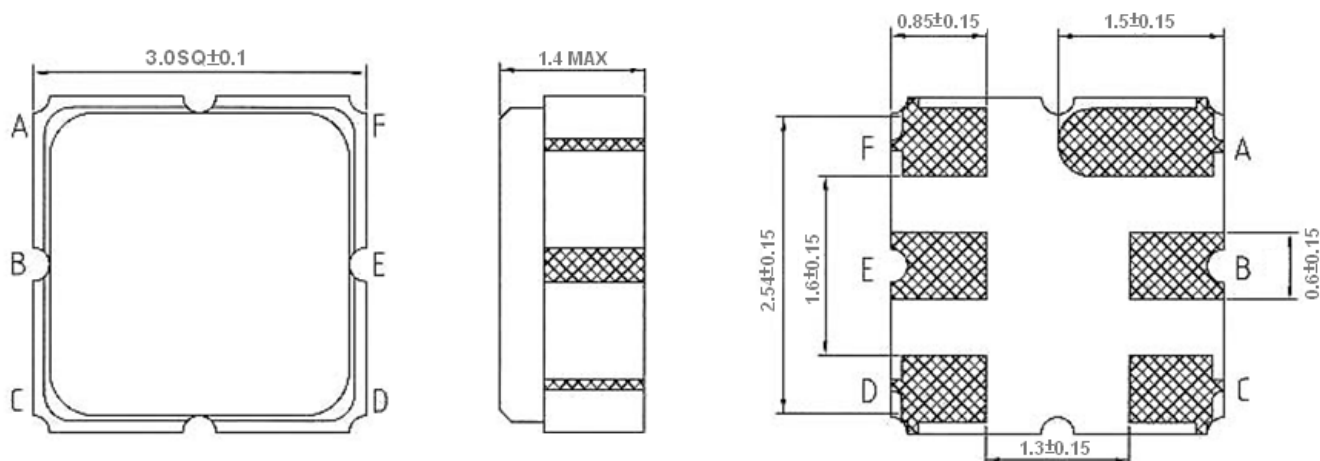
SAW Filter 916.450MHz

Model: TA1727A

Part No: MP06994

Rev No: 1

E. OUTLINE DRAWING:



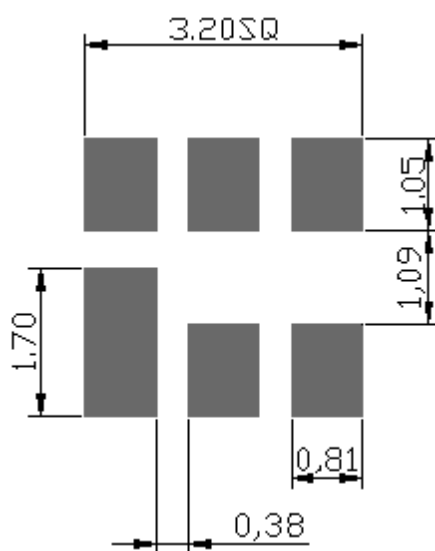
B: Input

D: Output

A, C, E, F: Ground

Unit: mm

F. PCB FOOTPRINT:



SAW Filter 916.450MHz

Model: TA1727A

Part No: MP06994

Rev No: 1

H. RECOMMENDED REFLOW PROFILE:

