

SAW Filter 670.0MHz
Part No: MP09003

Model No: TA1874A
Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

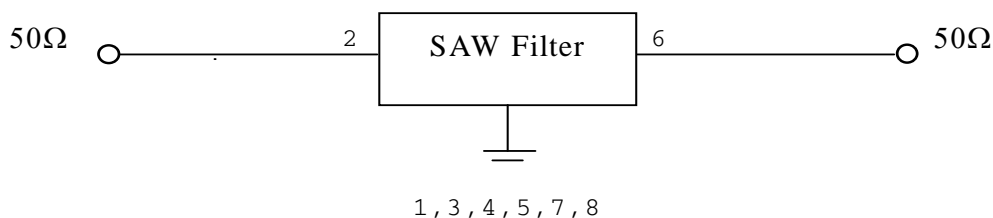
1. Input Power Level: 10dBm
2. DC voltage: 3V
3. Operating Temperature: -20°C to +75°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	670	-
Insertion Loss (663.5 ~ 676.5MHz) IL	dB	-	2.2	3.0
Amplitude Ripple (663.5 ~ 676.5MHz)	dB	-	1.3	2.2
Bandwidth @-30dB	MHz	-	31.7	34
VSWR (663.5 ~ 676.5MHz)	-	-	1.4	2.4
Attenuation (Reference level from 0dB)				
370 ~ 645MHz	dB	32	41	-
695 ~ 970MHz	dB	32	43	-
970 ~ 1500MHz	dB	35	46	-
Temperature coefficient of frequency	ppm/k	-	-35	-

C. MEASUREMENT CIRCUIT:

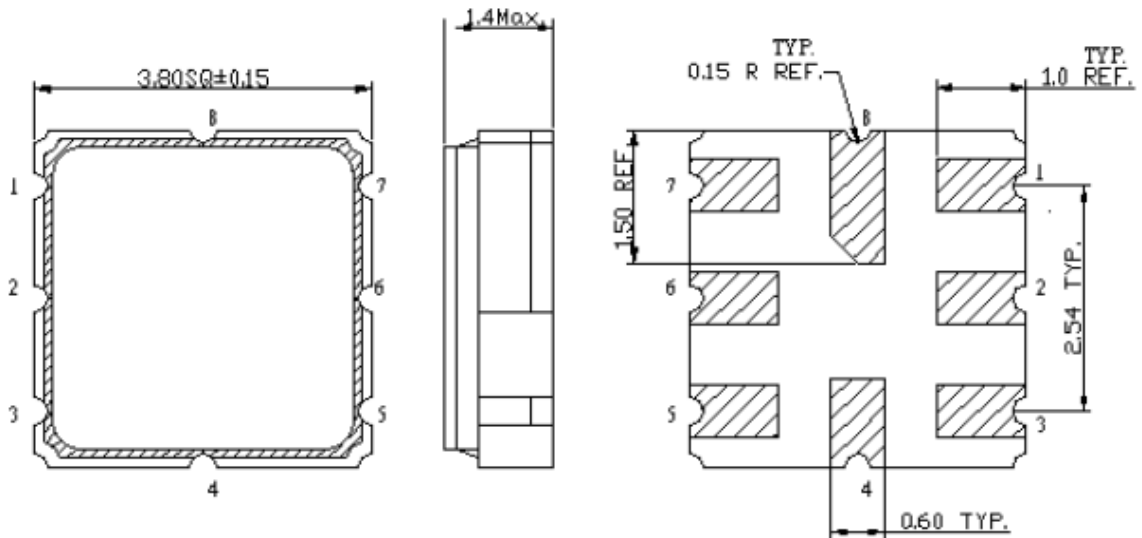
HP Network analyzer



SAW Filter 670.0MHz
Part No: MP09003

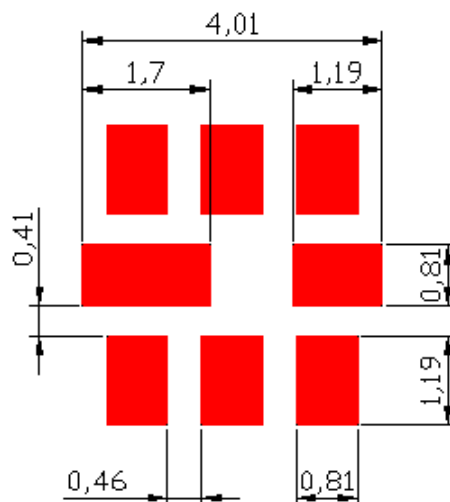
Model No: TA1874A
Rev No: 1

D. OUTLINE DRAWING:



2: Input
 6: Output
 1, 3, 4, 5, 7, 8: Ground
 Unit: mm

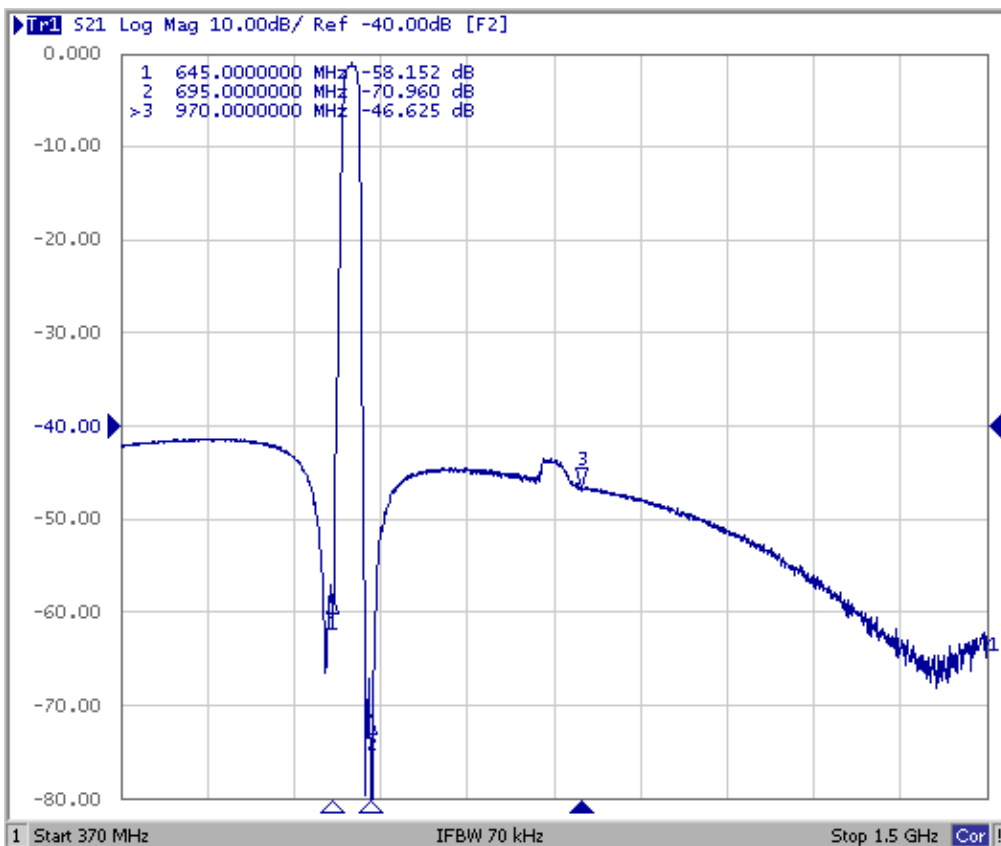
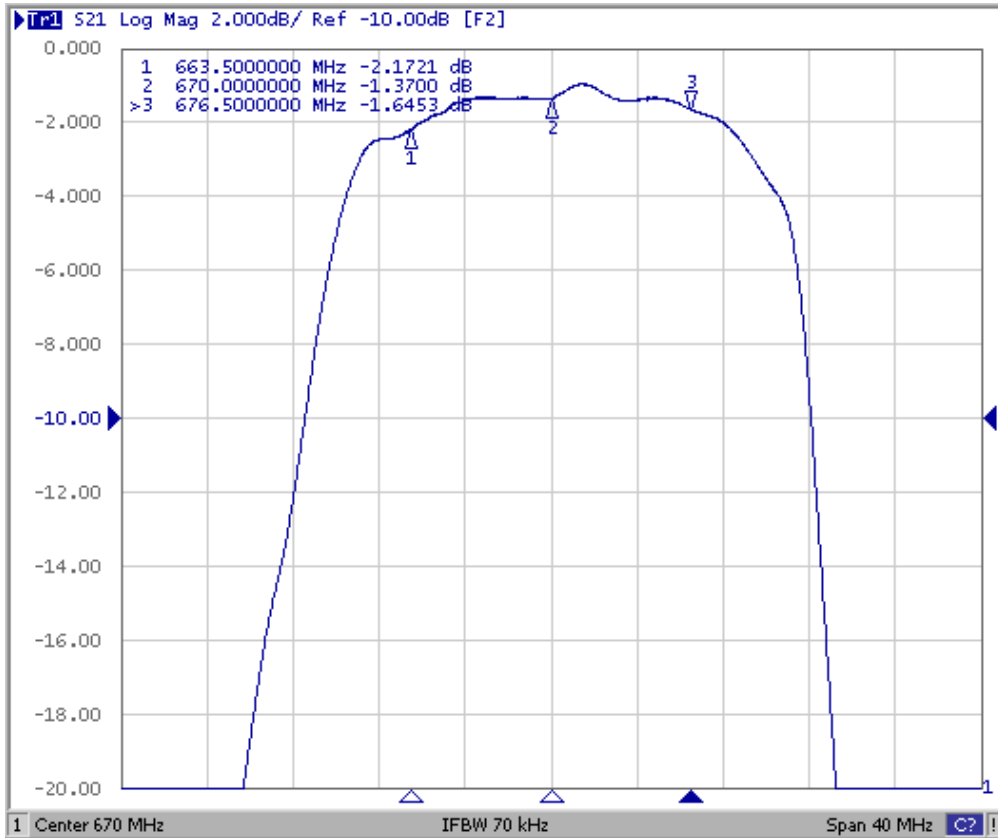
E. PCB FOOTPRINT:



SAW Filter 670.0MHz
Part No: MP09003

Model No: TA1874A
Rev No: 1

F. FREQUENCY CHARACTERISTICS:

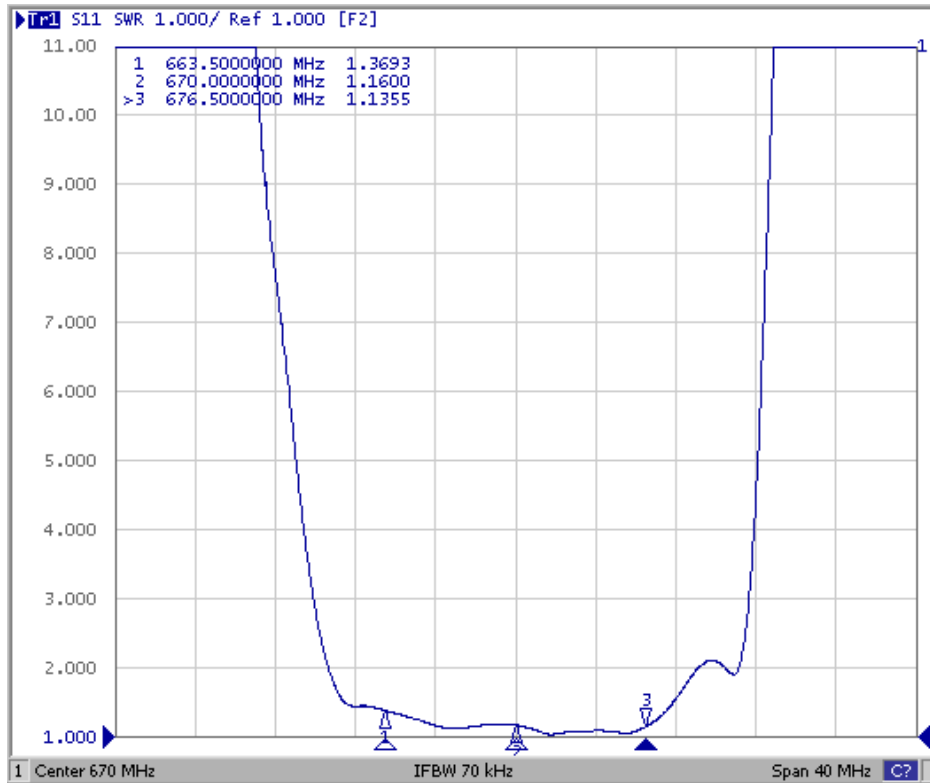


SAW Filter 670.0MHz
Part No: MP09003

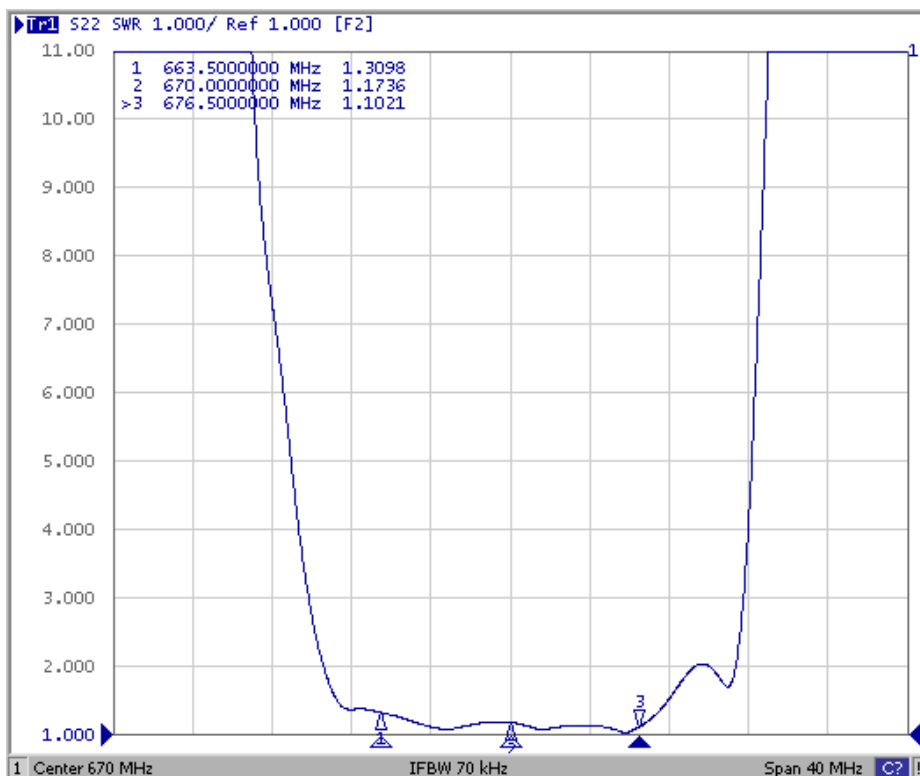
Model No: TA1874A
Rev No: 1

Reflection Functions

S11



S22

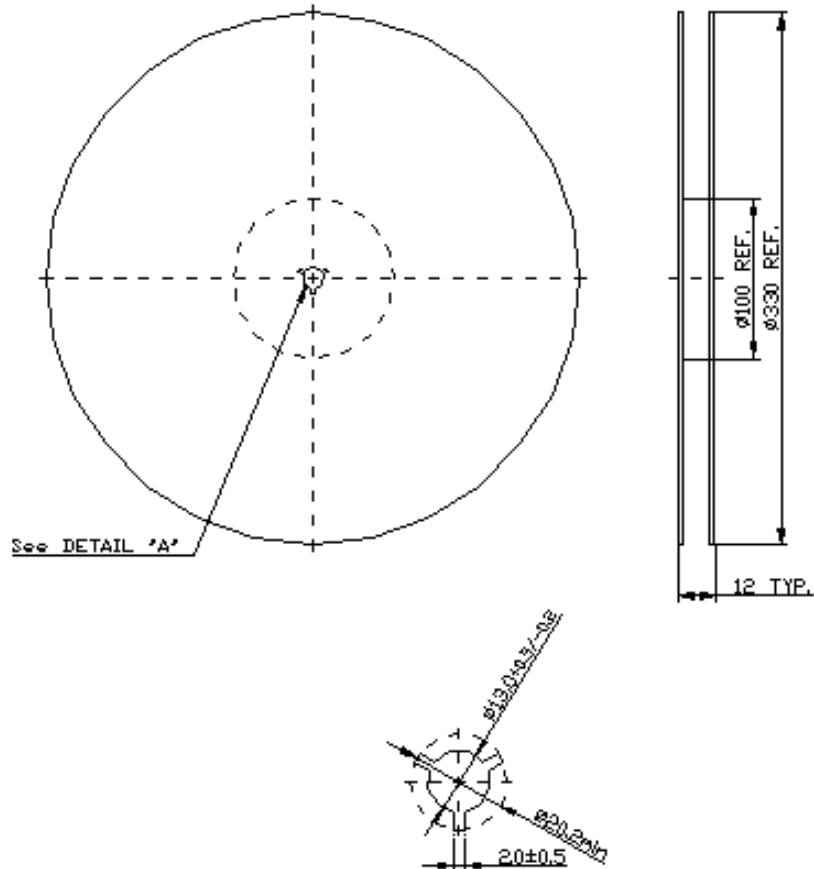


SAW Filter 670.0MHz
Part No: MP09003

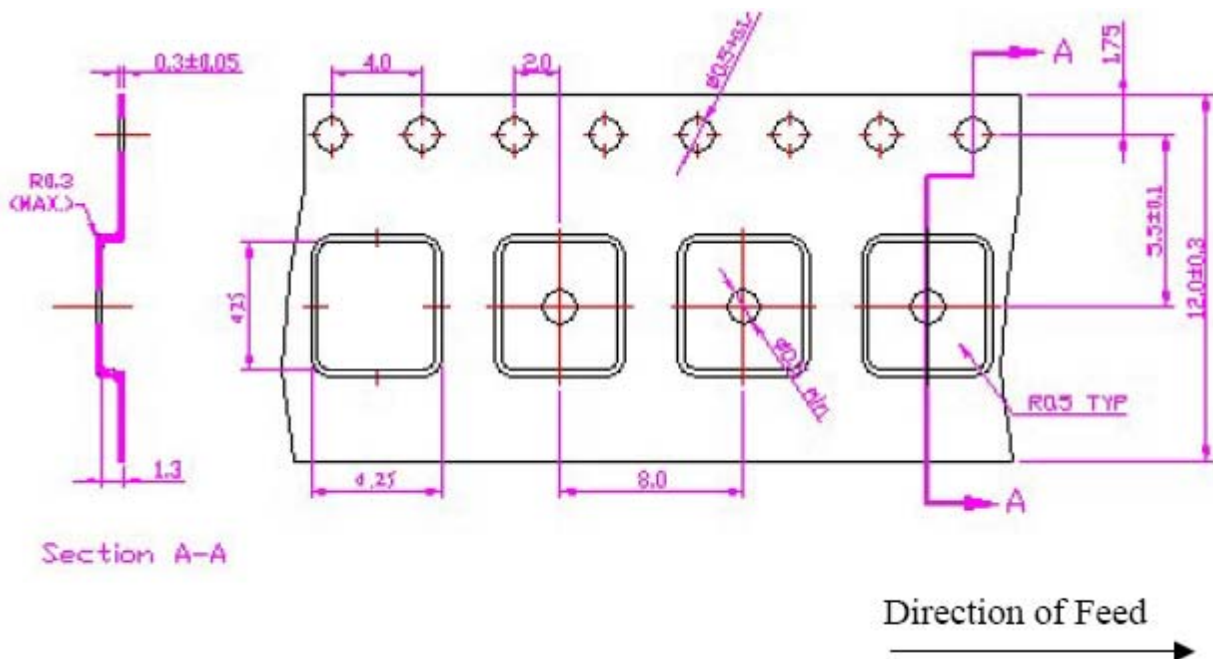
Model No: TA1874A
Rev No: 1

G. PACKING:

1. Reel Dimension



2. Tape Dimension



SAW Filter 670.0MHz
Part No: MP09003

Model No: TA1874A
Rev No: 1

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. 10 sec).
4. Time: 2 times.

