

SAW Filter 399.80MHz
Part No: MP07598

Model: TA1951A
Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

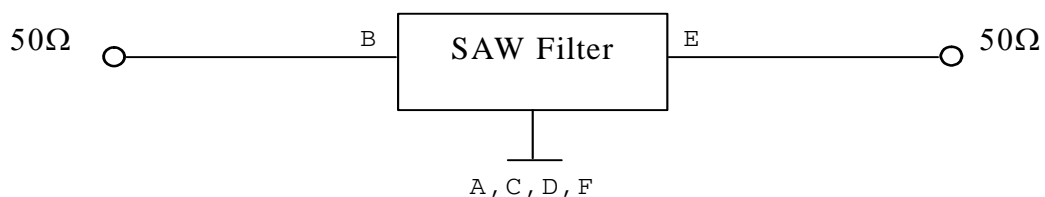
1. Input Power Level: 20dBm
2. DC Voltage: 7.5V
3. Operating Temperature: -20°C to +70°C
4. Storage Temperature: -30°C to +80°C

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	399.8	-
Insertion Loss (399.3 ~ 400.3MHz) IL	dB	-	1.8	2.4
Amplitude Ripple (399.3 ~ 400.3MHz)	dB	-	0.1	1.2
VSWR (399.3 ~ 400.3MHz)	-	-	1.3	2.2
Attenuation (Reference level from 0dB)				
10 ~ 369.8MHz	dB	47	68	-
429.8 ~ 1000MHz	dB	47	53	-
Temperature coefficient of frequency	ppm/k	-	-36	-

C. MEASUREMENT CIRCUIT:

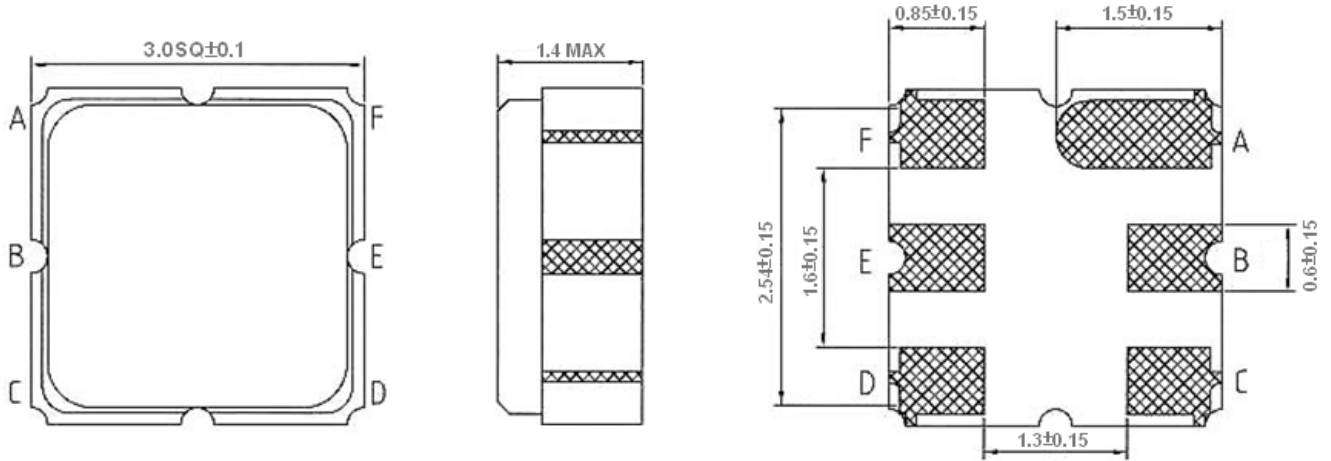
HP Network analyzer



SAW Filter 399.80MHz
Part No: MP07598

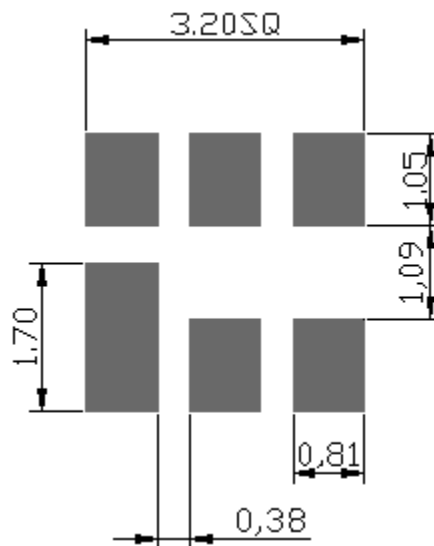
Model: TA1951A
Rev No: 1

D. OUTLINE DRAWING:



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

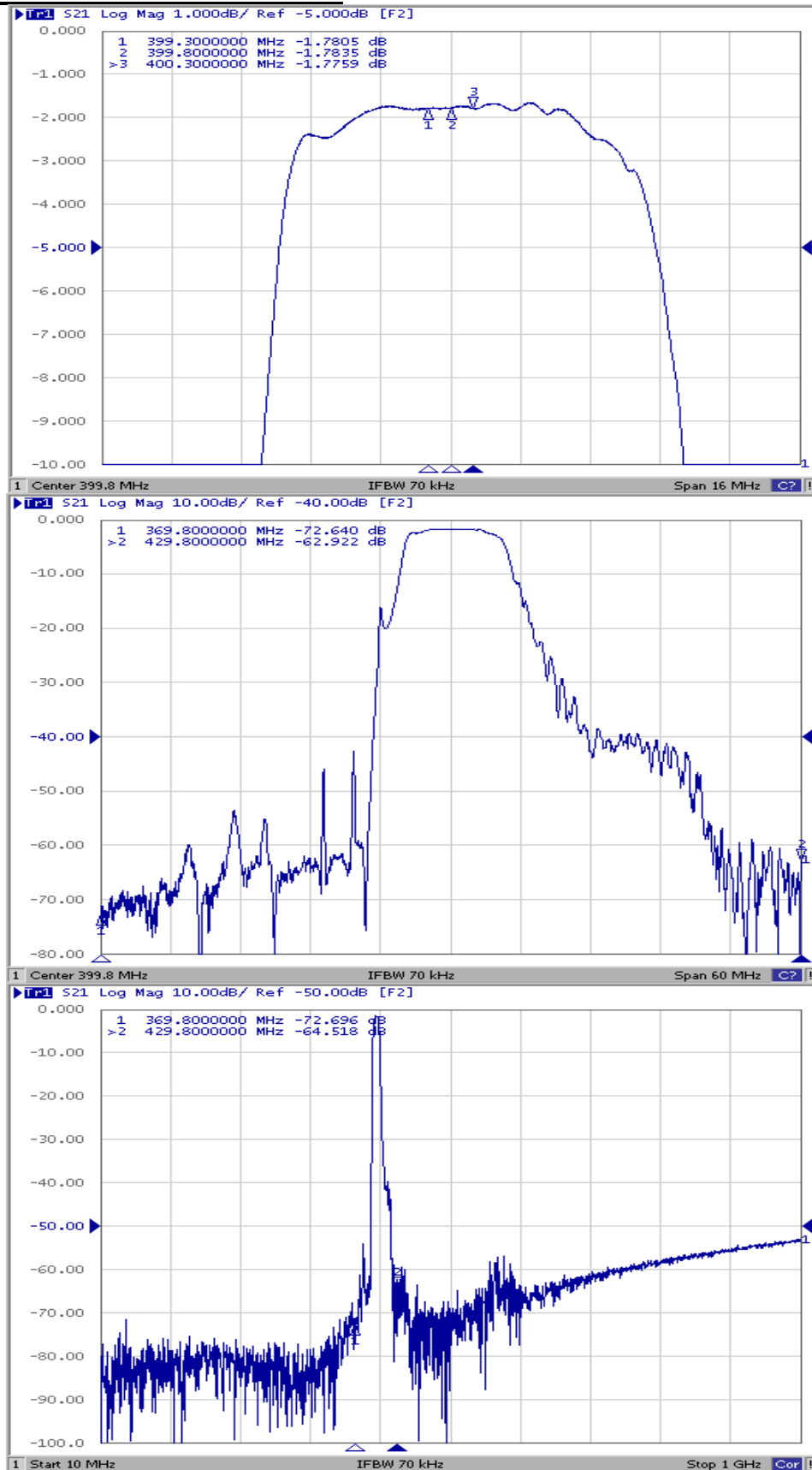
E. PCB FOOTPRINT:



SAW Filter 399.80MHz
Part No: MP07598

Model: TA1951A
Rev No: 1

F. FREQUENCY CHARACTERISTICS:

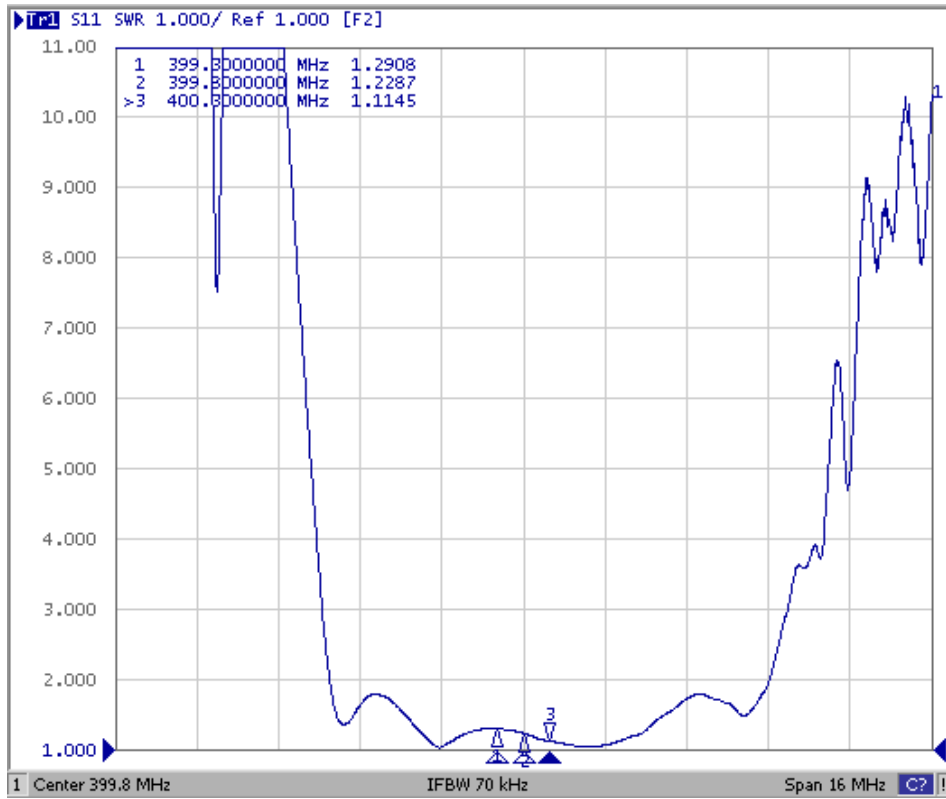


SAW Filter 399.80MHz
Part No: MP07598

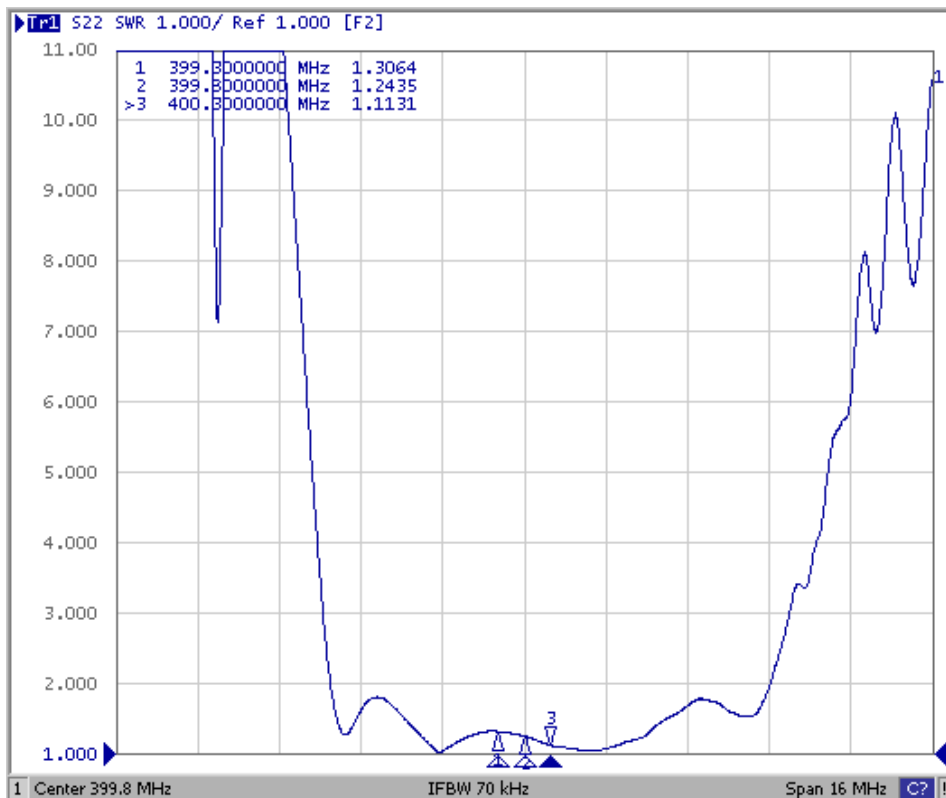
Model: TA1951A
Rev No: 1

Reflection Functions

S11



S22

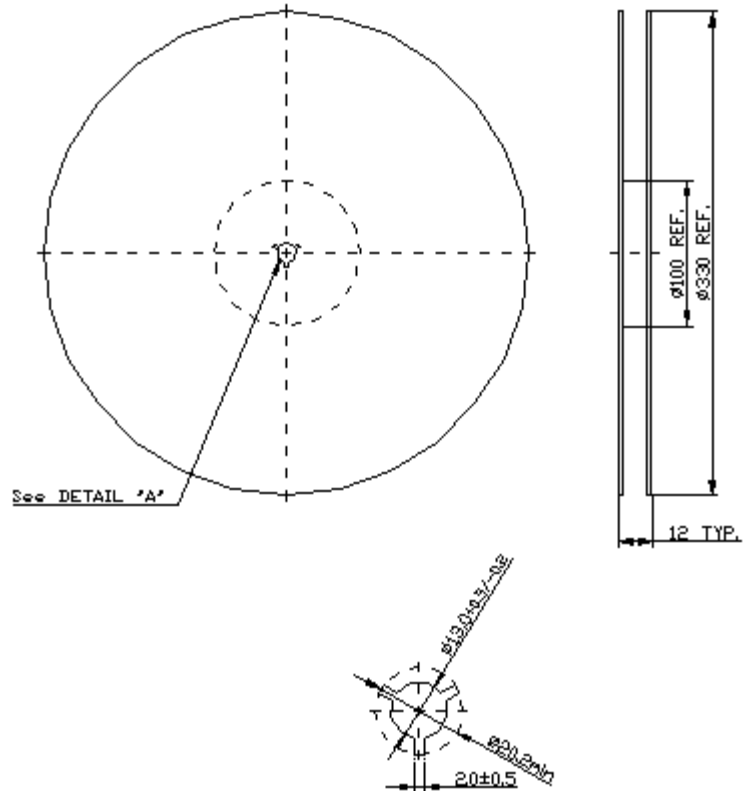


SAW Filter 399.80MHz
Part No: MP07598

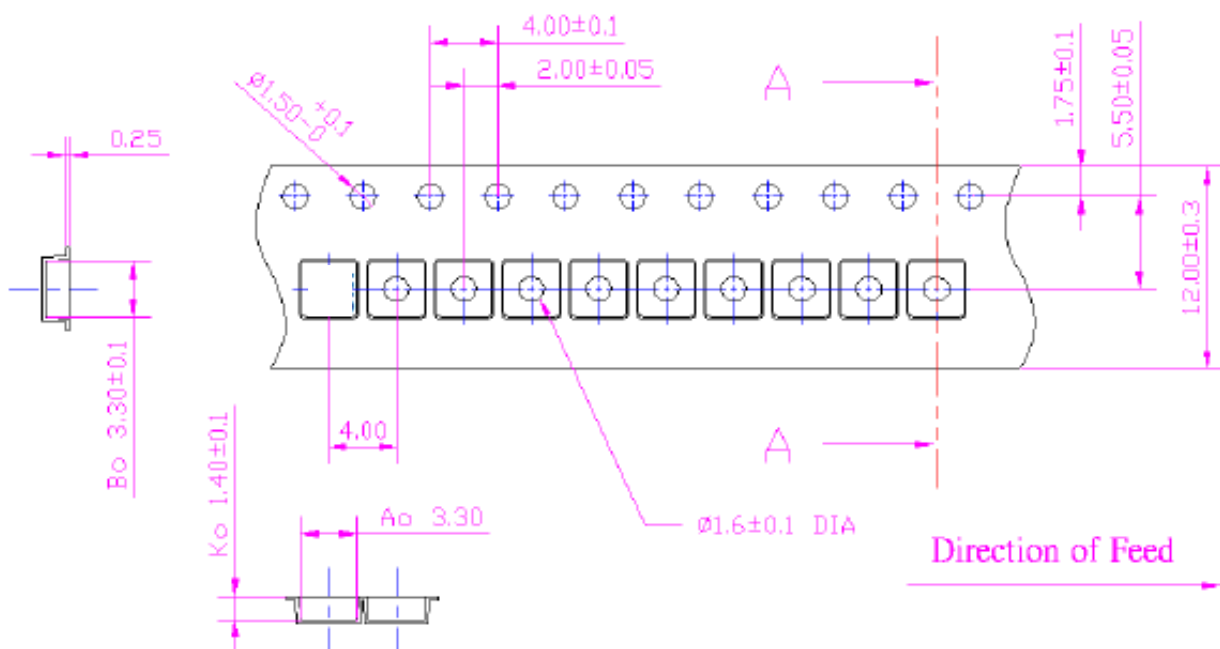
Model: TA1951A
Rev No: 1

G. PACKING:

1. Reel Dimension (Please refer to FR-75D10 for packing quantity)



2. Tape Dimension



SAW Filter 399.80MHz
Part No: MP07598

Model: TA1951A
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 260°C +0/-5°C peak (20 ~ 40 sec).
4. Time: 2 times.

