

SAW Filter 1540.0MHz
Part No: MP03770

Model: TA0787A
Rev No: 1

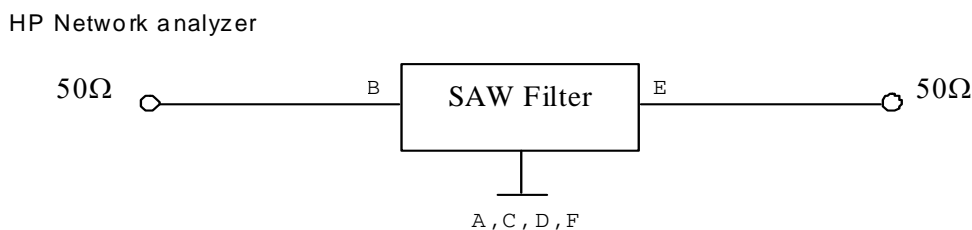
A. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -20°C to +70°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS: (Ambient temperature: 25°C)

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	1540	-	-
Min. Insertion Loss IL	dB	-	3	5	-
Amplitude Ripple (1533.5 ~ 1546.5MHz)	dB	-	1	2	-
VSWR (1533.5 ~ 1546.5 MHz)		-	1.8	2.3	-
Group Delay Variation (1533.5 ~ 1546.5MHz)	ns	-	7	15	
Attenuation (Reference level from 0dB)					
10 ~ 1490MHz	dB	35	50	-	-
1567 ~ 1581MHz	dB	20	43	-	-
1581 ~ 3000MHz	dB	35	41	-	-
Temperature Coefficient of Frequency	-36 ppm/°C				

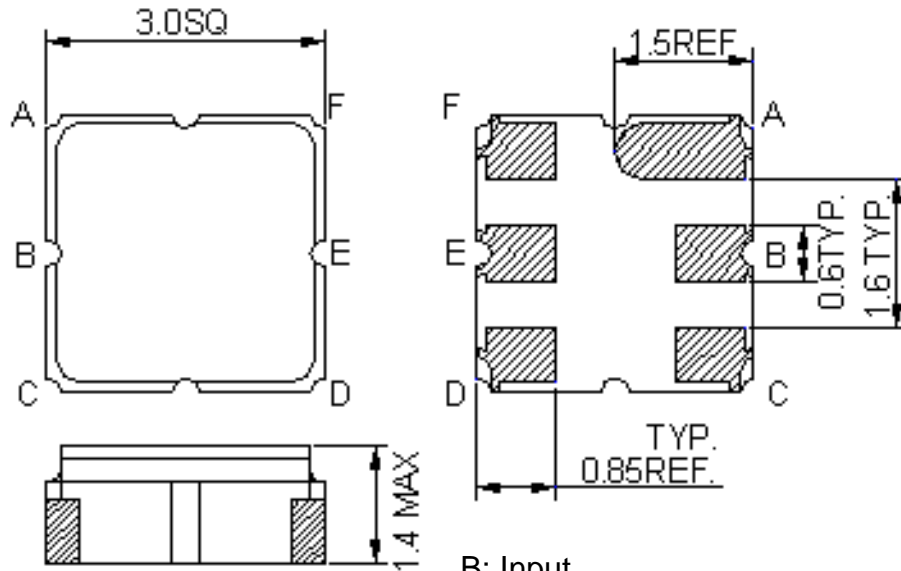
C. MEASUREMENT CIRCUIT:



SAW Filter 1540.0MHz
Part No: MP03770

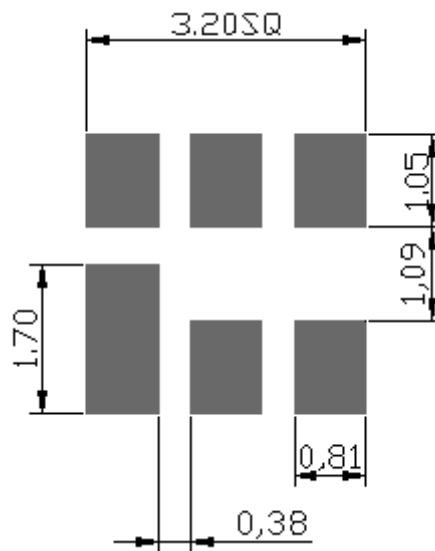
Model: TA0787A
Rev No: 1

D. OUTLINE DRAWING:



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

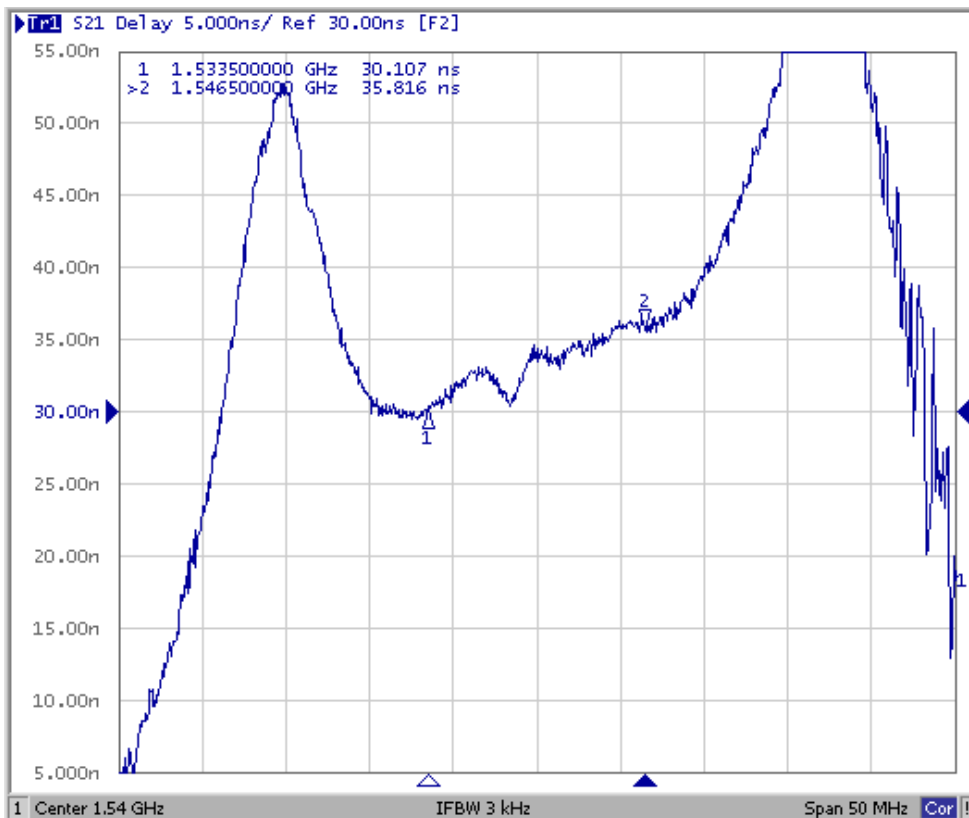
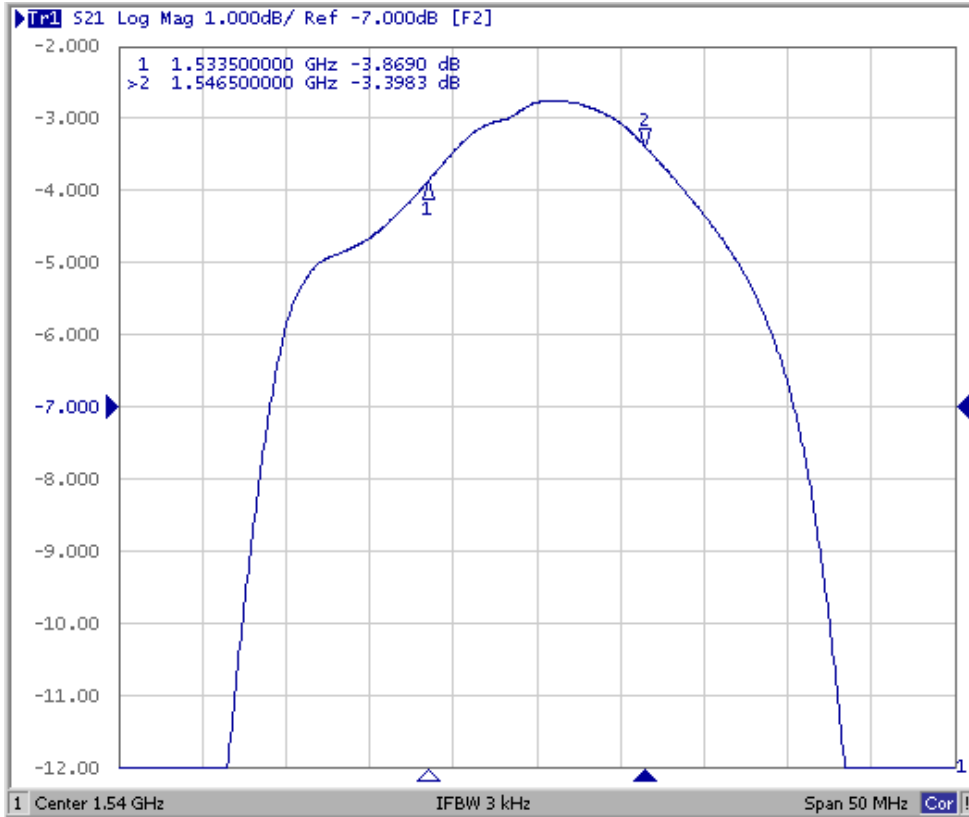
E. PCB FOOTPRINT:



SAW Filter 1540.0MHz
Part No: MP03770

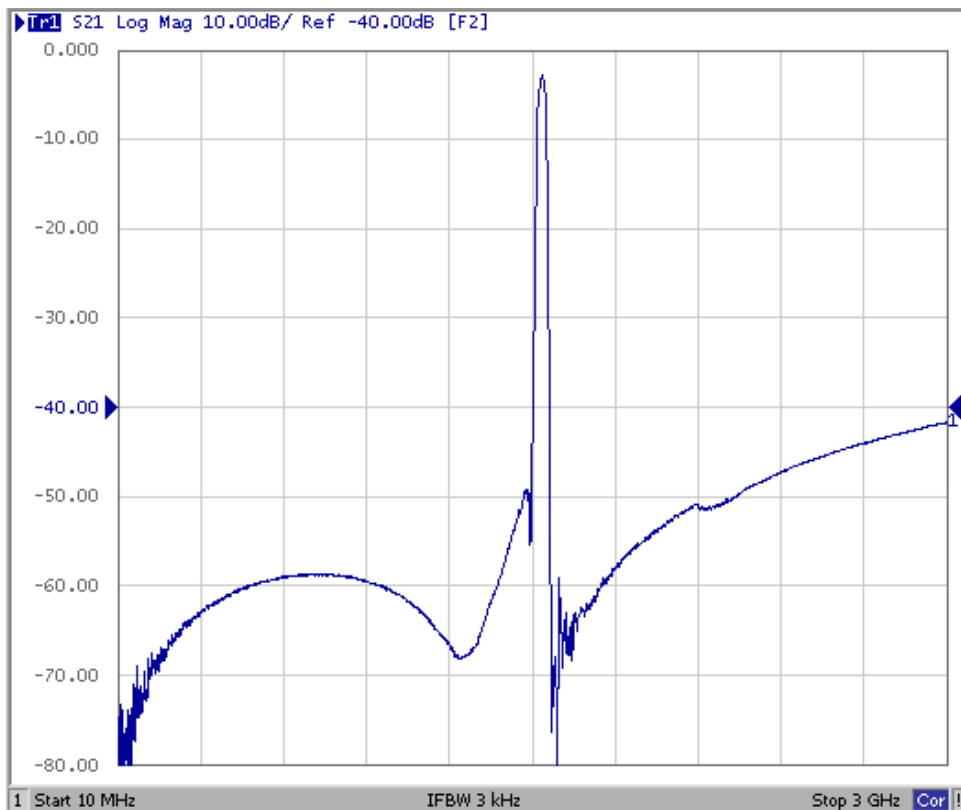
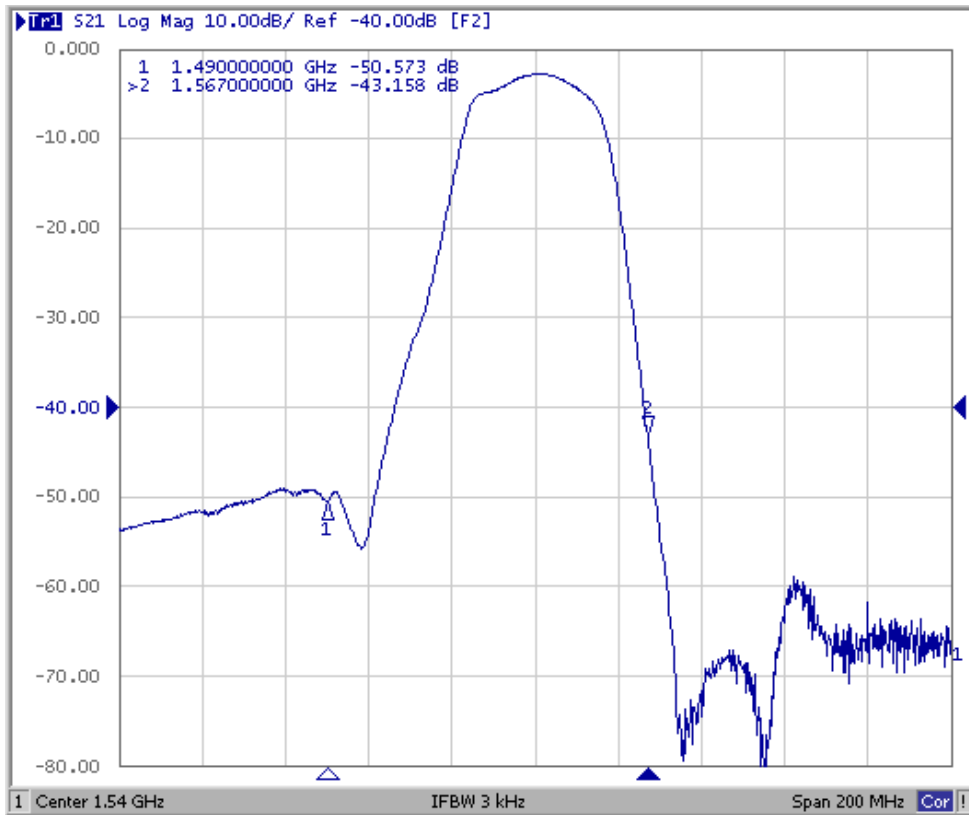
Model: TA0787A
Rev No: 1

F. FREQUENCY CHARACTERISTICS:



SAW Filter 1540.0MHz
Part No: MP03770

Model: TA0787A
Rev No: 1

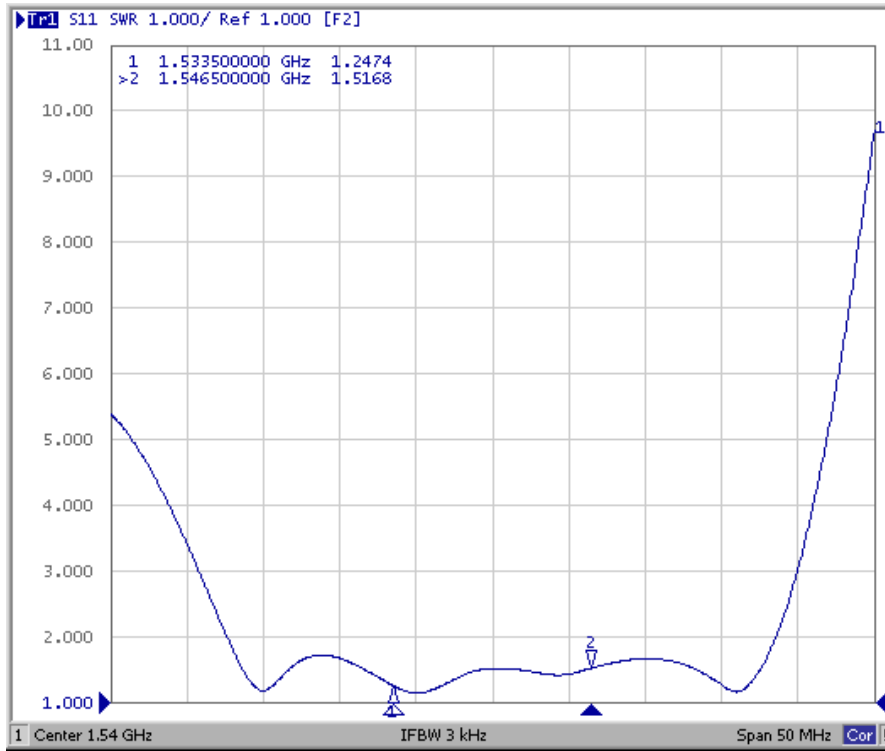


SAW Filter 1540.0MHz
Part No: MP03770

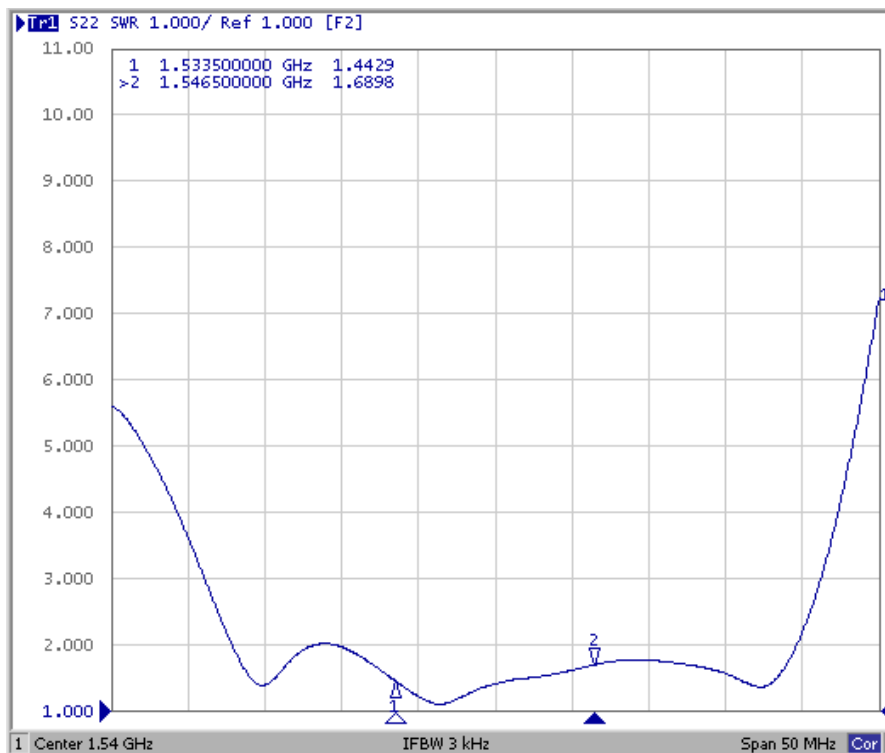
Model: TA0787A
Rev No: 1

Reflection Functions

S11

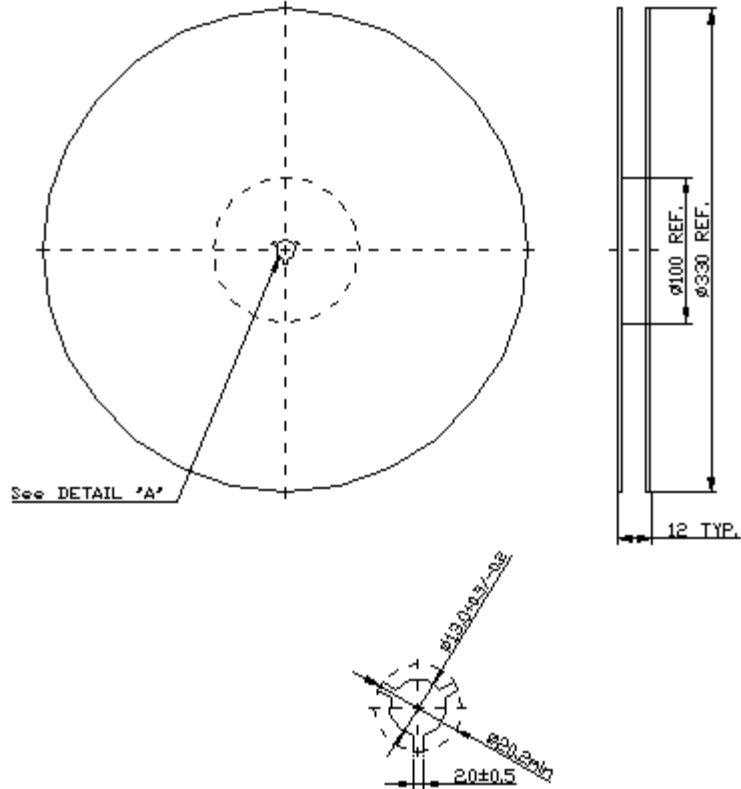


S22

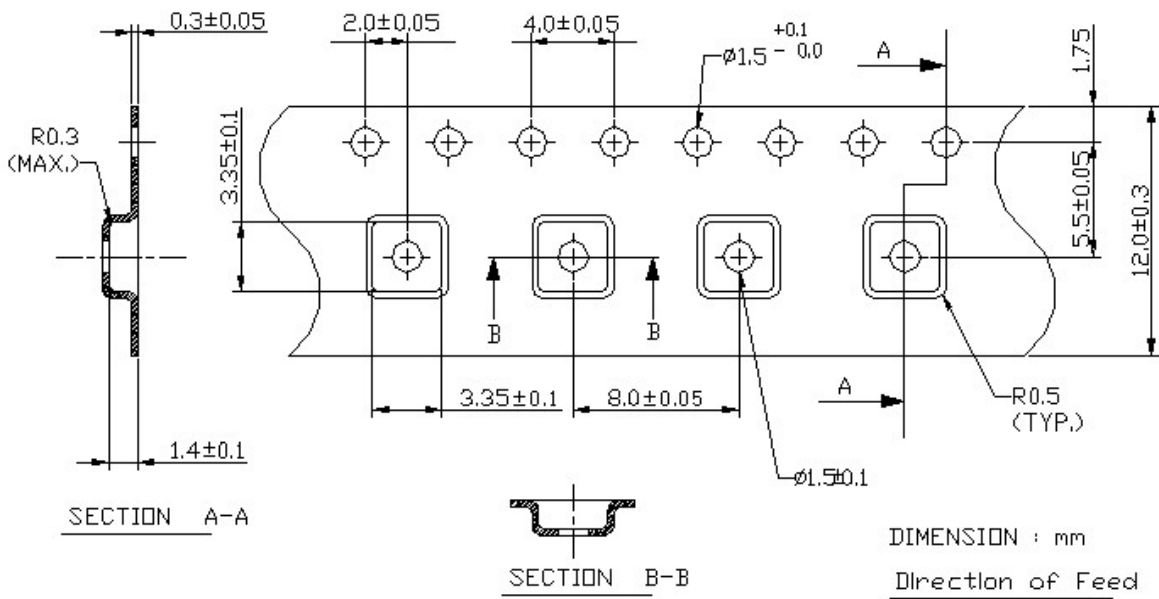


G. PACKING:

1. Reel Dimension (Reel Count: 7" = 1000; 13" = 3000)



2. Tape Dimension



SAW Filter 1540.0MHz
Part No: MP03770

Model: TA0787A
Rev No: 1

H. RECOMMENDED REFLOW PROFILE:

