

SAW Filter 465.0MHz
Part No: MP05345

Model: TA1257A
Rev No: 2

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

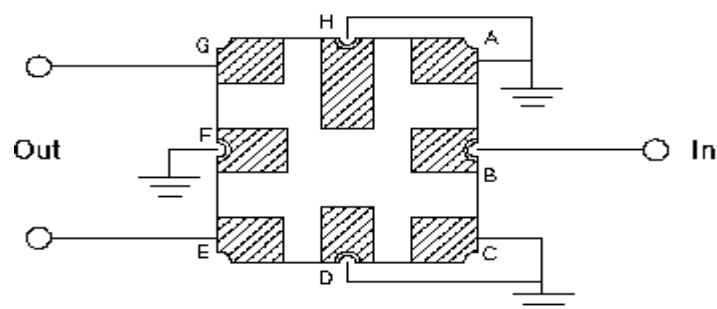
1. Input Power Level: 25dBm
2. DC Voltage: 0V
3. Operating Temperature: -30°C to +80°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

1. Terminating source impedance: $Z_S = 50\Omega$
2. Terminating load impedance: $Z_L = 100\Omega$ (Balanced)

Item	Unit	Min.	Typ.	Max.
Center Frequency F_c	MHz	-	465	-
Insertion Loss (462.5 ~ 467.5MHz) IL	dB	-	2.2	4.0
VSWR (462.5 ~ 467.5MHz)	-	-	2.0	2.5
Attenuation (Reference level foam 0dB)				
452.5 ~ 457.5MHz	dB	35	50	-
480 ~ 485MHz	dB	30	35	-
485 ~ 507.5MHz	dB	30	40	-
507.5 ~ 1000MHz	dB	40	55	-
1000 ~ 1200MHz	dB	45	55	-
1200 ~ 1700MHz	dB	40	50	-
1700 ~ 2000MHz	dB	35	50	-

C. MEASUREMENT CIRCUIT:



Source & Load Impedance: 50Ω / 100Ω

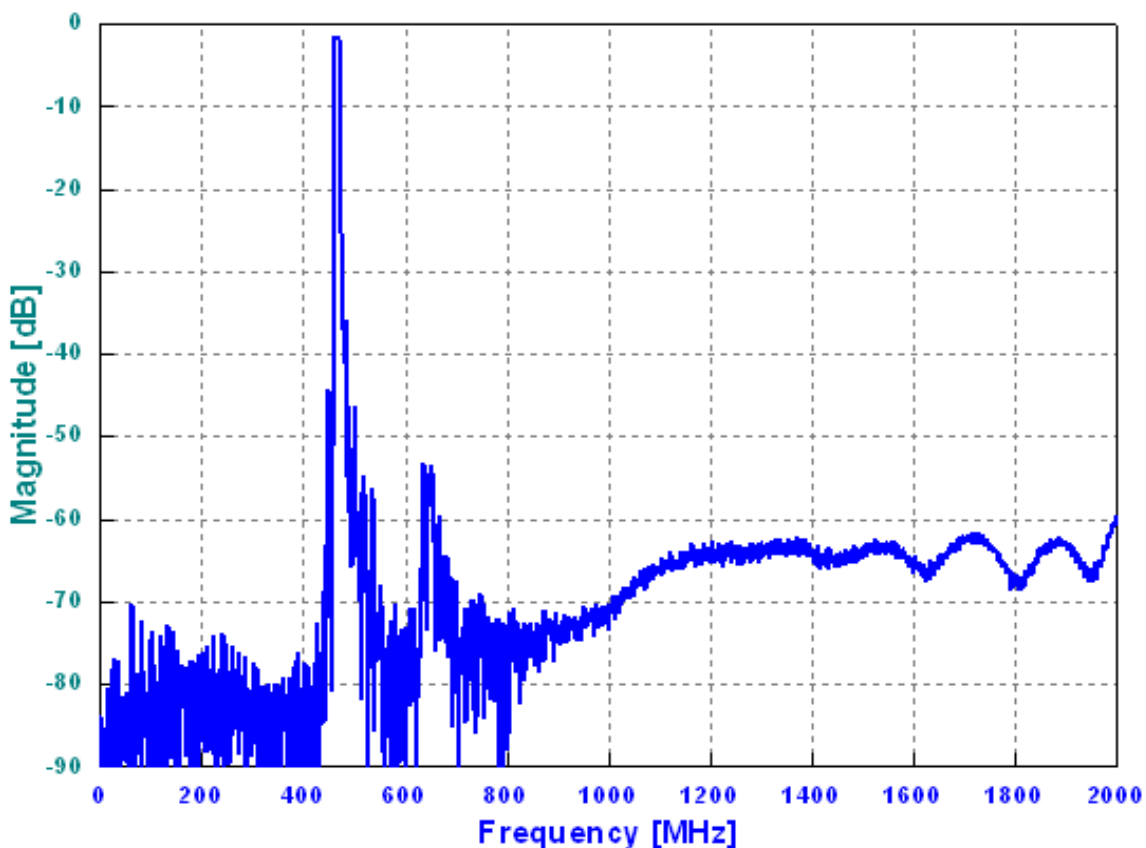
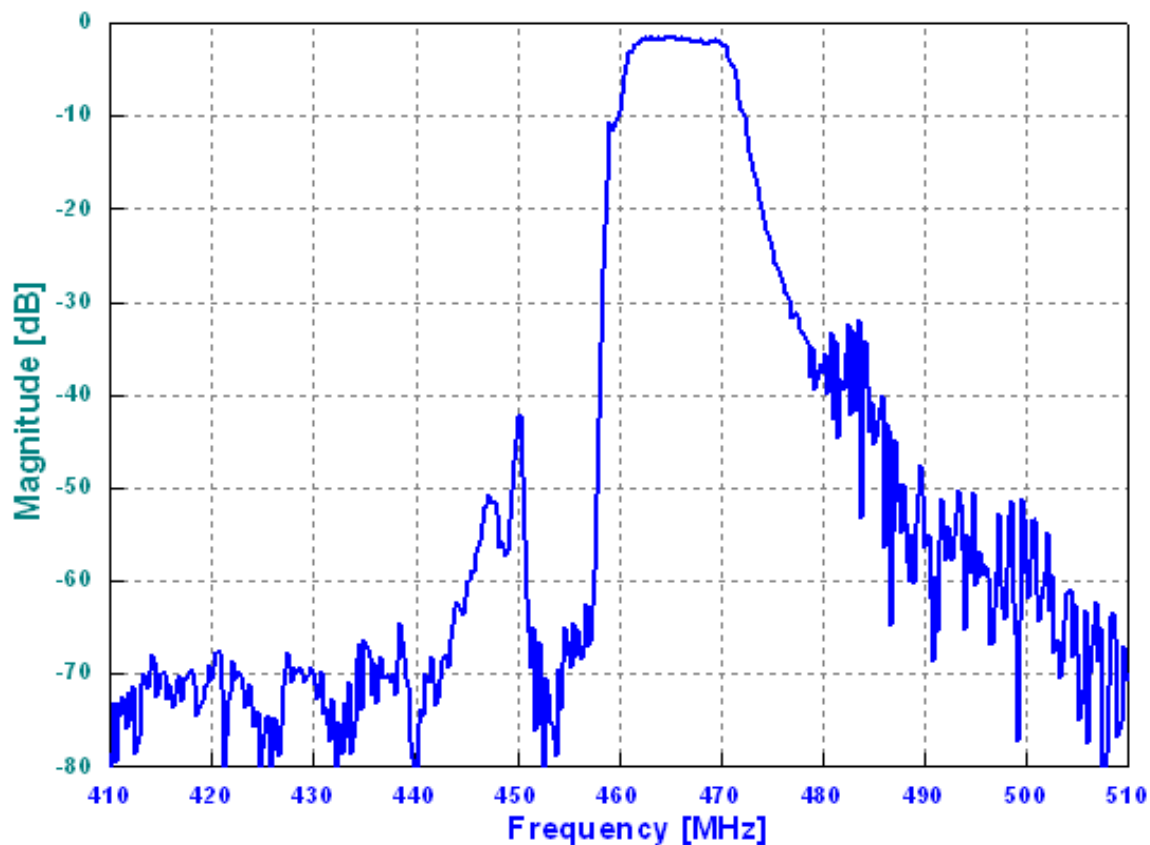
SAW Filter 465.0MHz

Model: TA1257A

Part No: MP05345

Rev No: 2

D. FREQUENCY CHARACTERISTICS:



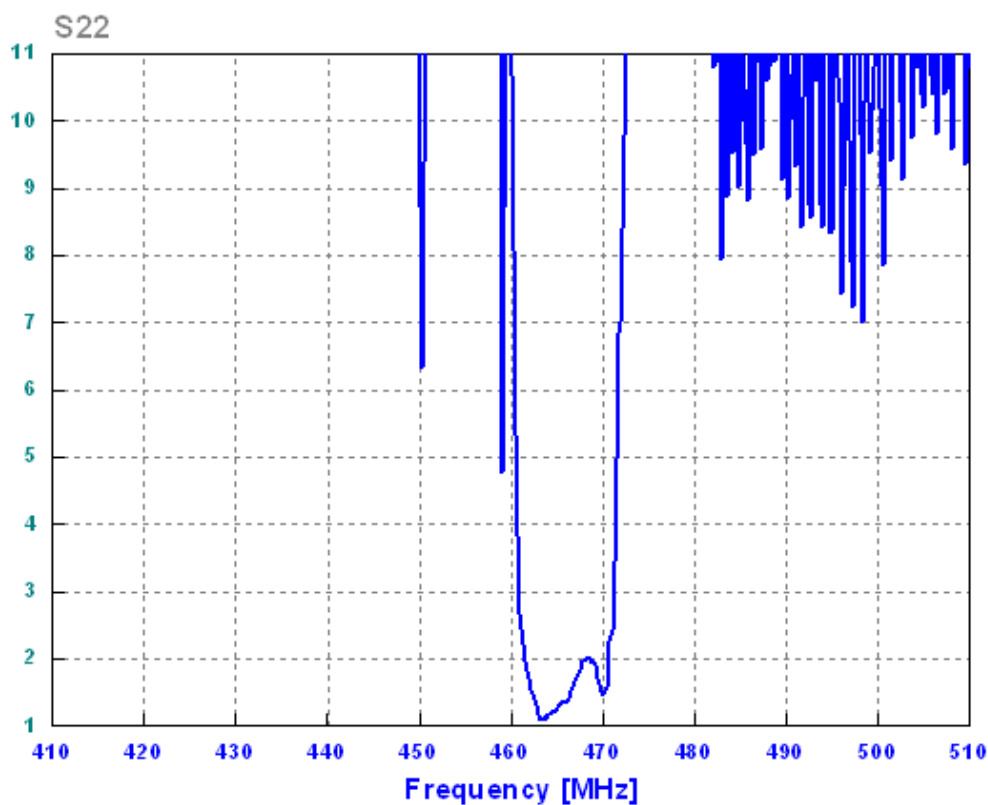
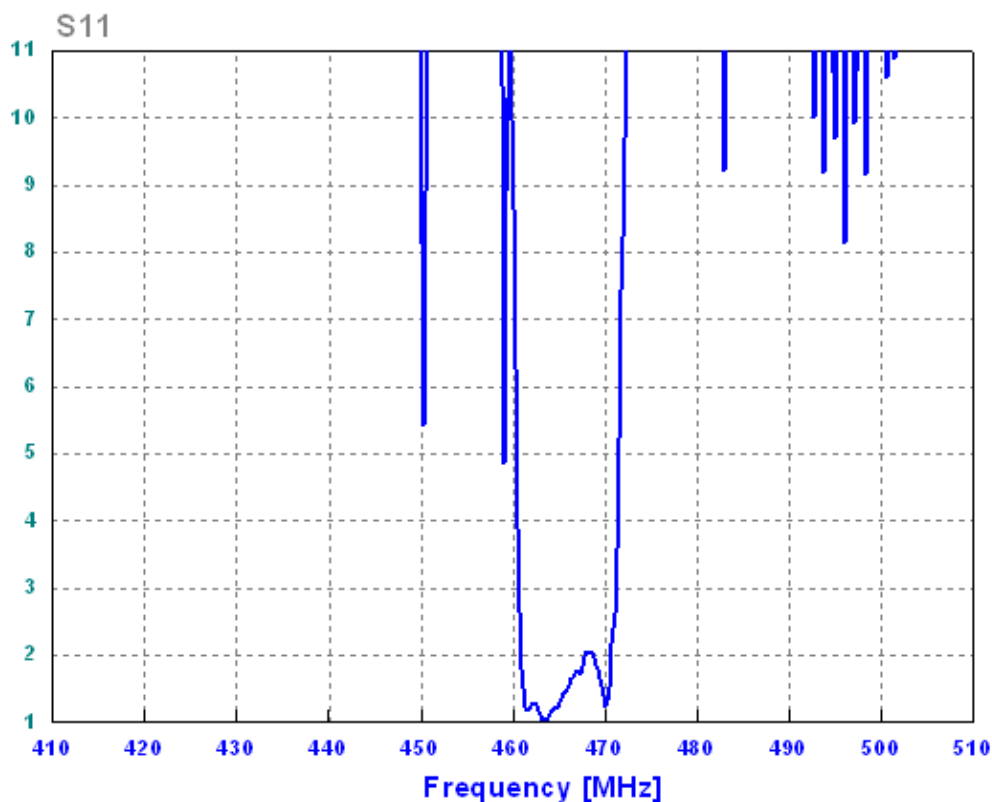
SAW Filter 465.0MHz

Model: TA1257A

Part No: MP05345

Rev No: 2

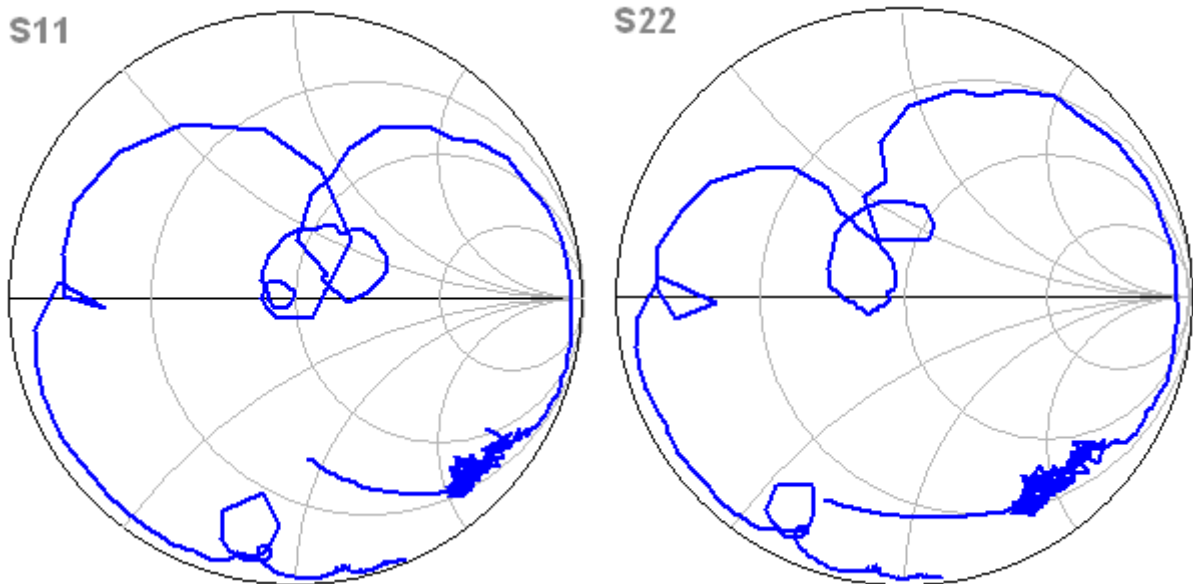
1. VSWR



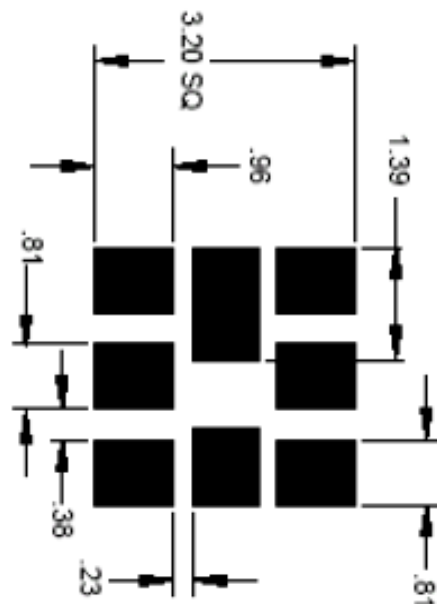
SAW Filter 465.0MHz
Part No: MP05345

Model: TA1257A
Rev No: 2

2. Smith-Chart



E. PCB FOOTPRINT:



Standard PCB Footprint

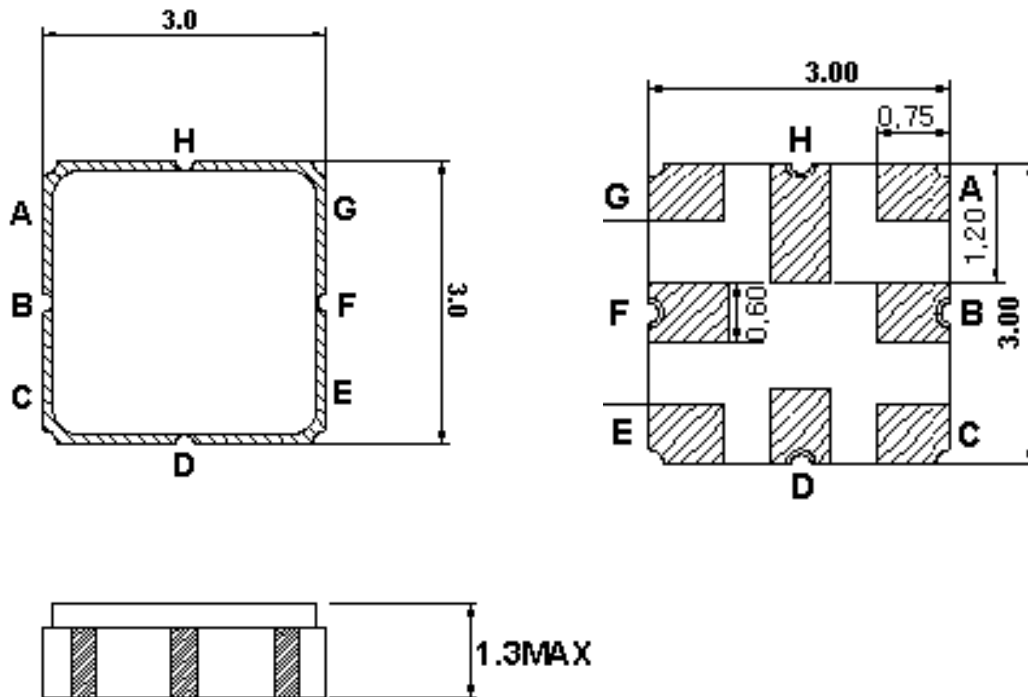
SAW Filter 465.0MHz

Model: TA1257A

Part No: MP05345

Rev No: 2

F. OUTLINE DRAWING:



B: Input

E, G: Balanced-Output

A, C, D, F, H: Ground

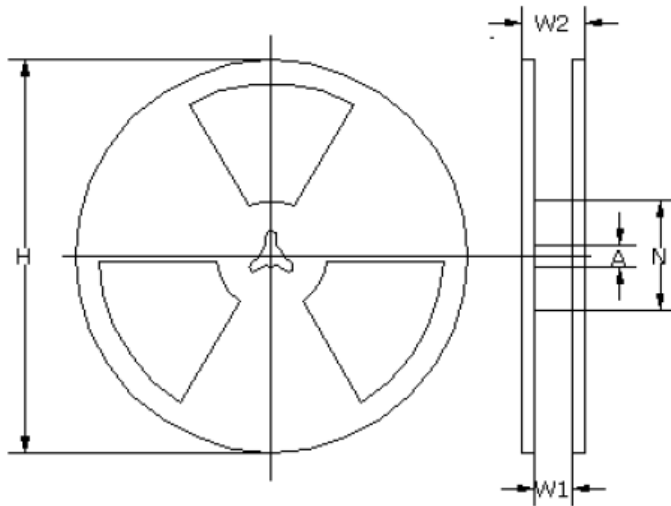
Unit: mm

SAW Filter 465.0MHz
Part No: MP05345

Model: TA1257A
Rev No: 2

G. PACKING:

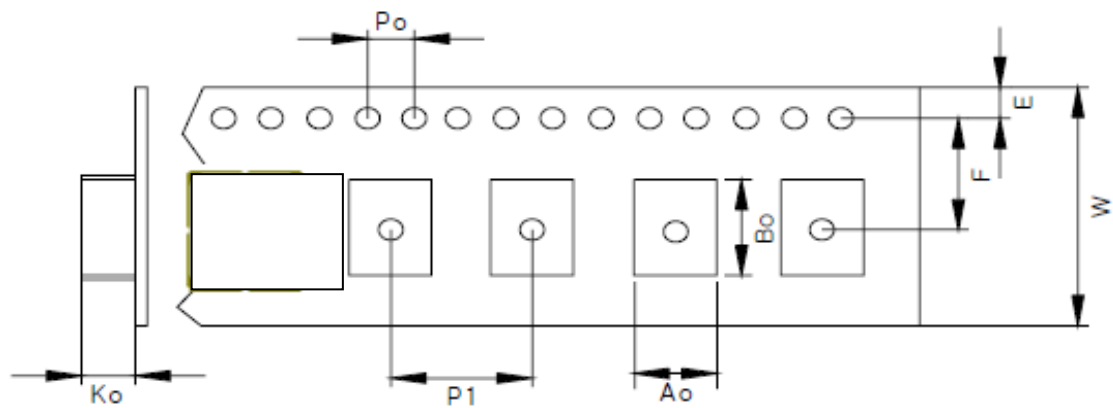
1. Reel Dimension



(Unit : mm)

A	N	H	W1	W2
$\Phi 13 \pm 0.5$	$\Phi 62 \pm 1.0$	$\Phi 330.0 \pm 1.0$	12.0 ± 1.0	16.0 ± 1.0

2. Tape Dimension



(Unit : mm)

A	B	K0	W	E	F	P0	P1
3.4 ± 0.1	3.4 ± 0.1	1.4 ± 0.1	12.0 ± 0.3	1.75 ± 0.1	5.5 ± 0.1	4.0 ± 0.1	8.0 ± 0.1

SAW Filter 465.0MHz

Model: TA1257A

Part No: MP05345

Rev No: 2

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.

