



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

1747 MHz Saw Filter

Part Number: AM1747S163



Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	1747.5	-
Minimum Insertion Loss	dB	-	3.2	4.0
Amplitude Ripple within 1710 ~ 1785 MHz	dBp-p	-	1.9	2.5
VSWR within 1710 ~ 1785 MHz	-	-	3.0	3.5
Attenuation:				
DC ~ 1670 MHz	dB	18	23	-
1670 ~ 1680 MHz	dB	15	40	-
1805 ~ 1880 MHz	dB	5	8	-
1880 ~ 4500 MHz	dB	20	25	-
4500 ~ 5200 MHz	dB	15	20	-

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-20	-	+70
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	15
Source Impedance (Single Ended) ₁	Ω	-	50	-
Load Impedance (Single Ended) ₁	Ω	-	50	-
Package Size and Type	3.0 x 3.0 x 1.3 mm M			



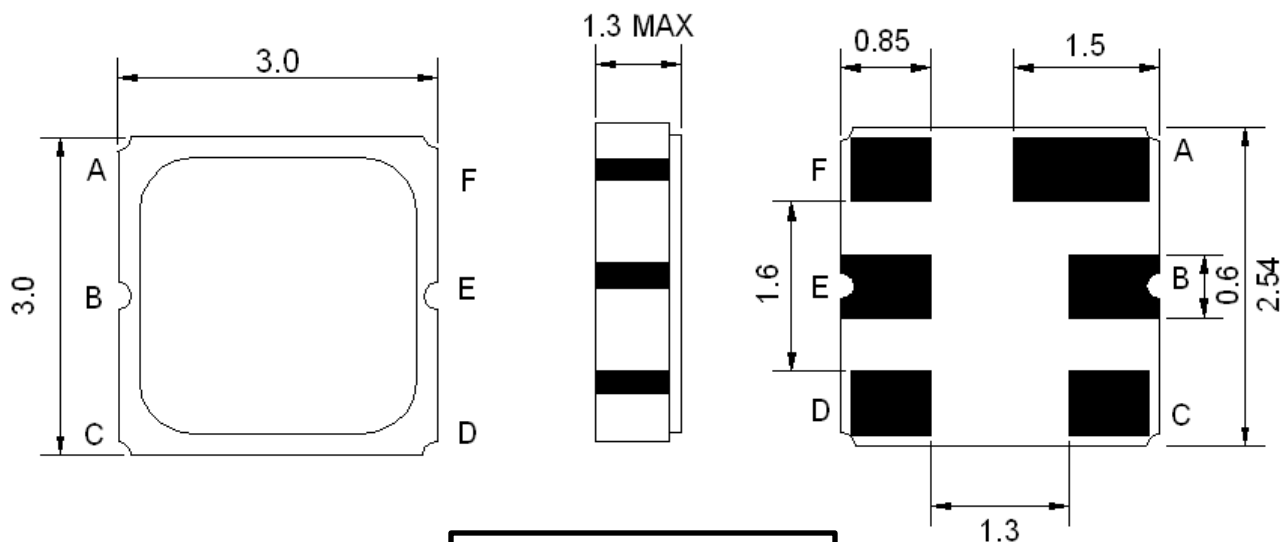
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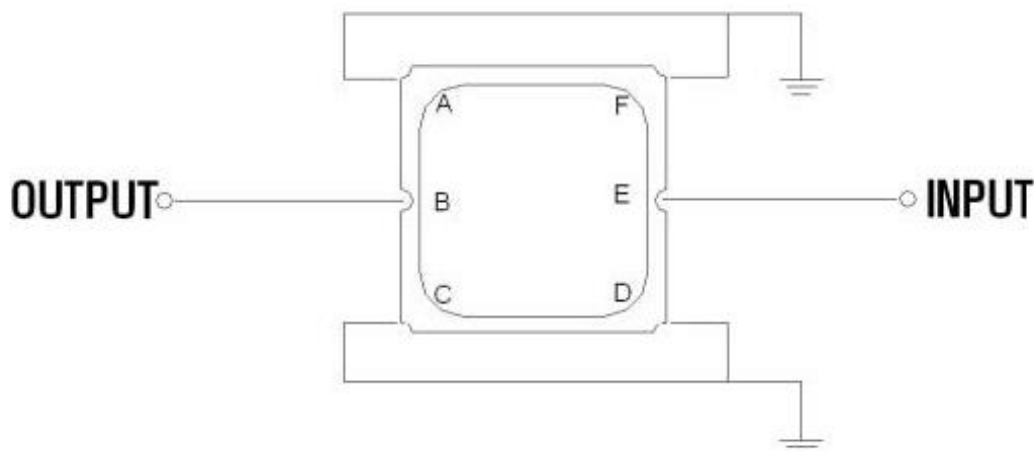
Outline Drawing:



Pin Description:

Ground – A C D F
Input – E
Output – B

Testing Environment:



Source/Load Impedance: 50 Ω



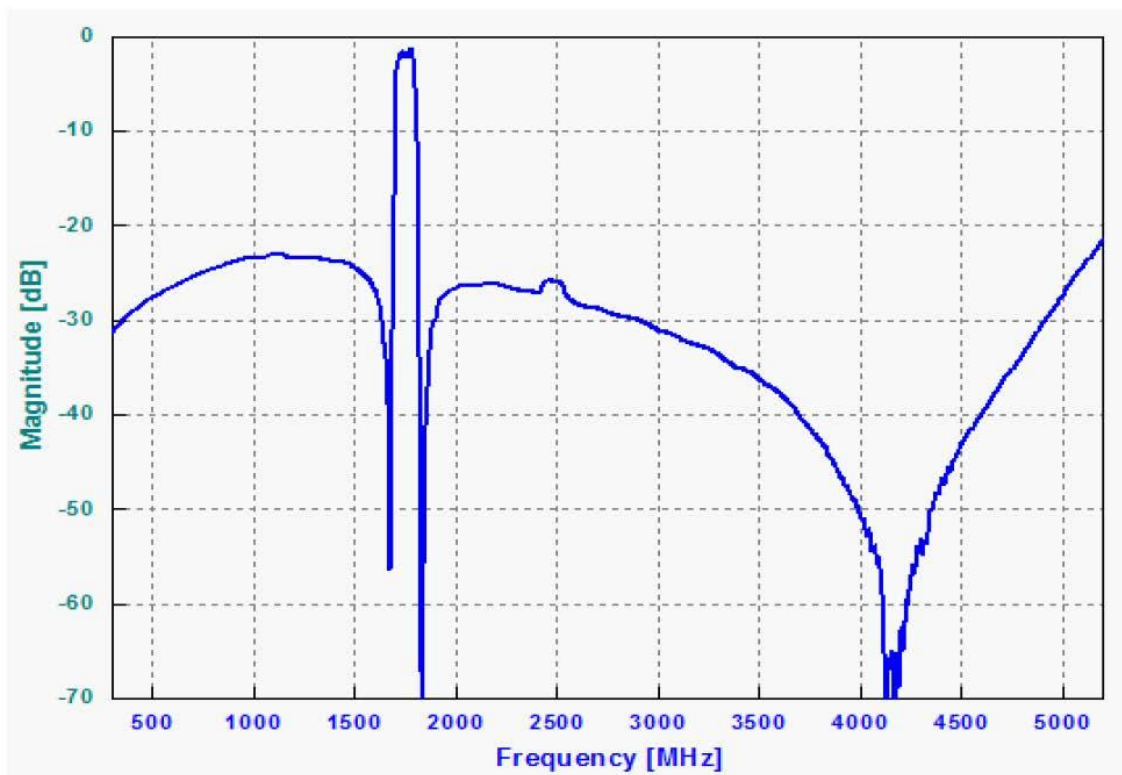
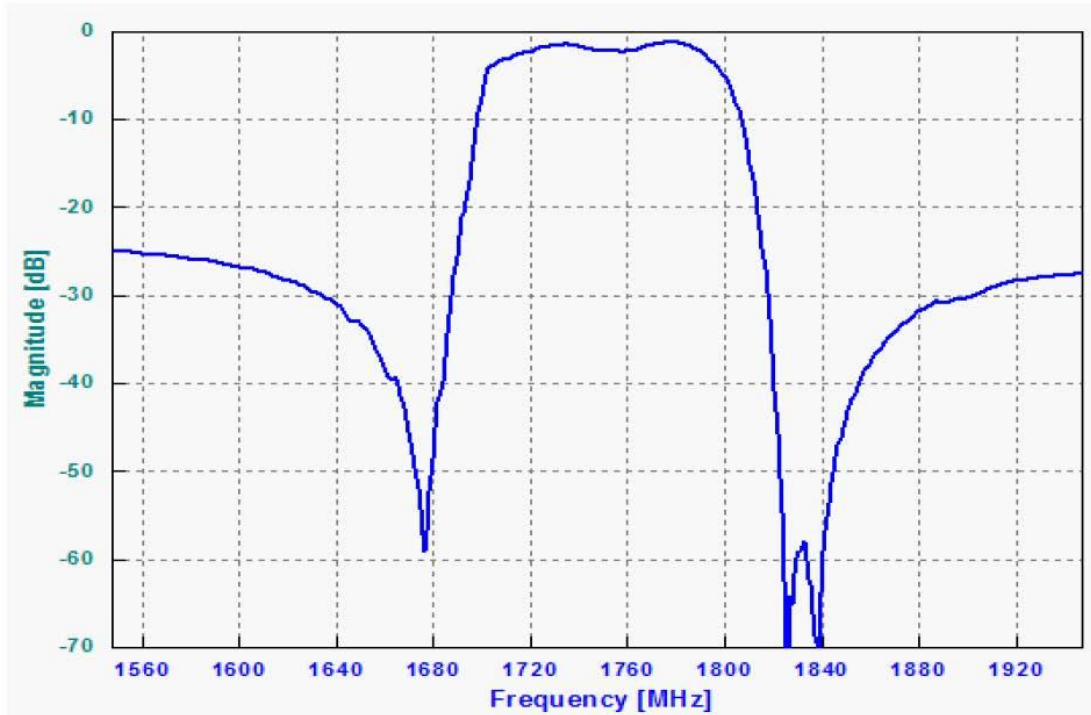
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Response Plot:





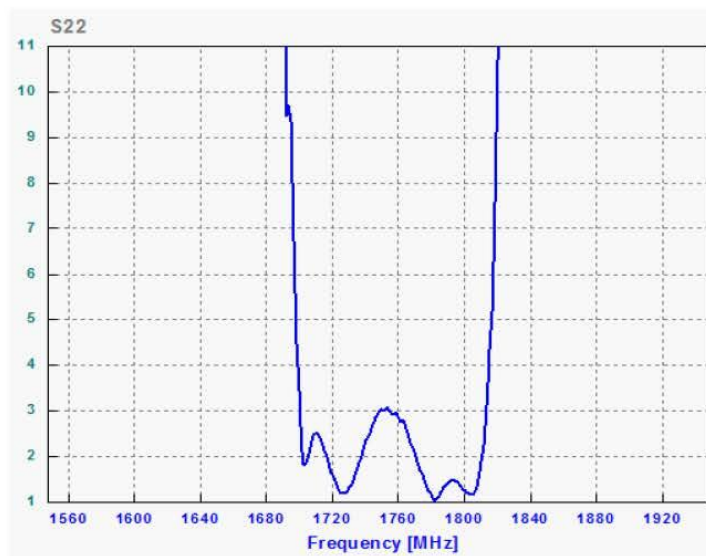
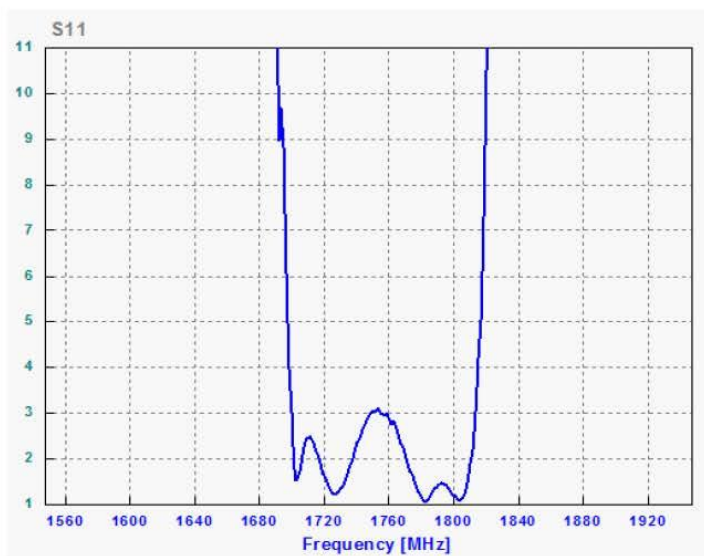
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VSWR



Smith Chart

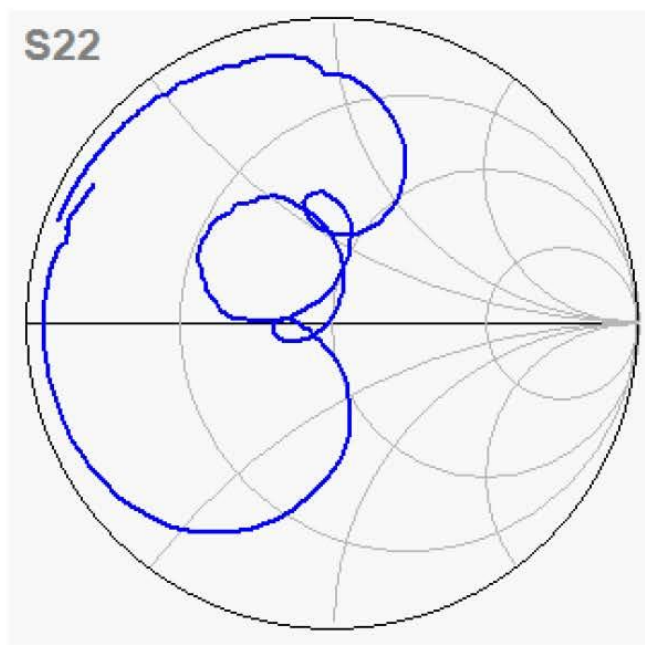
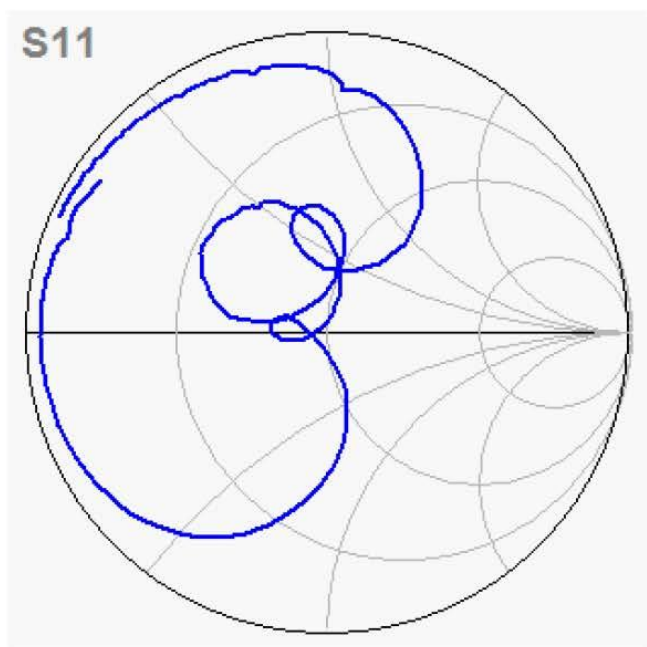


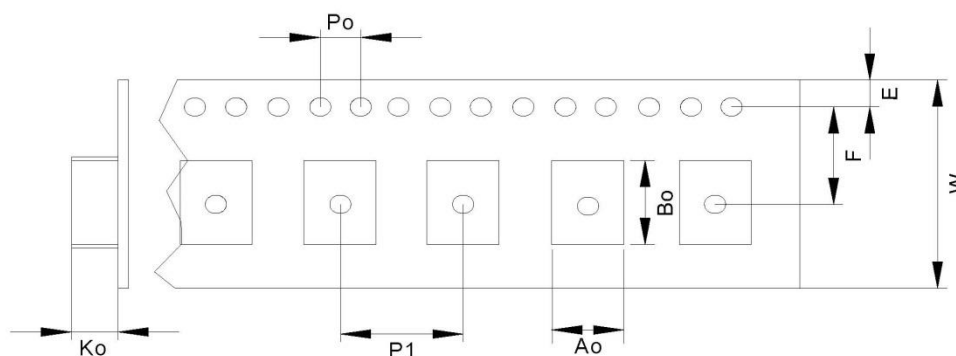


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1. Packing

1.1 Carrier 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



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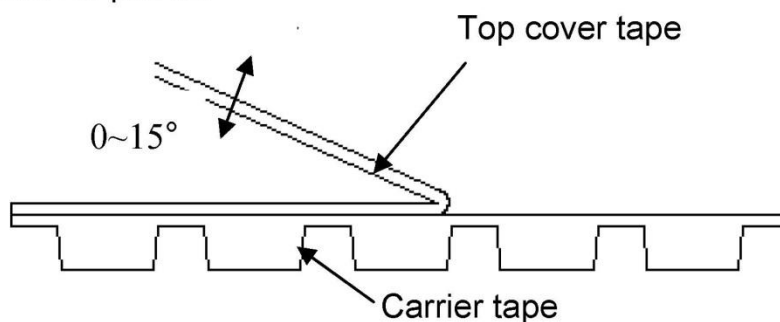
1.2 Top Cover Tape Adhesion

1.2.1 Pull of angle: 0 ~ 15 degree

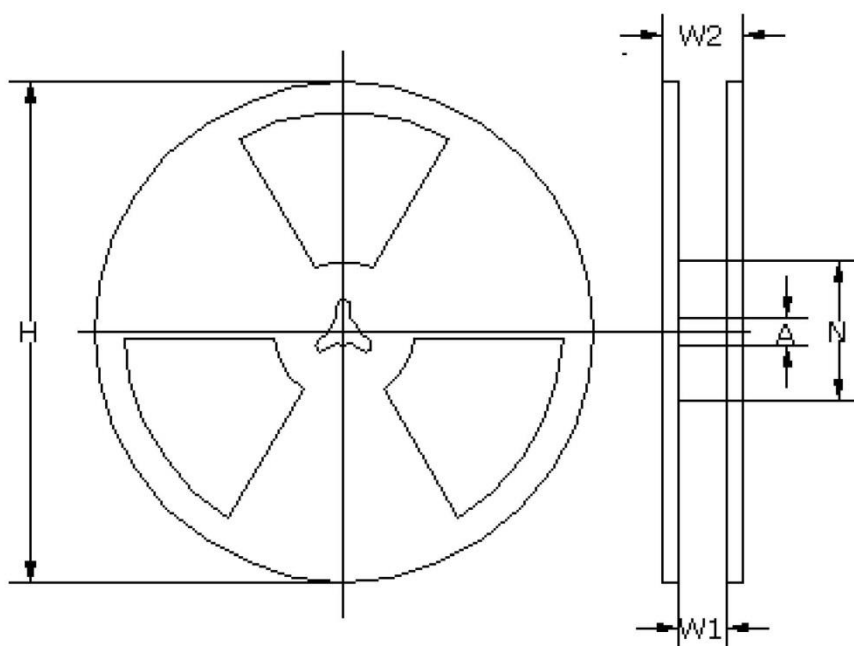
1.2.2 Speed: 300 mm/min

1.2.3 Force : 20 ~ 70 g

Direction of pull off



1.3 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