



1650 MHz RF Saw Filter
Part Number: AM1650S1077



Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	1650.8	-
Insertion Loss within 1626.6 ~ 1675.0 MHz	dB	-	2.3	3.0
Amplitude Ripple within 1626.6 ~ 1675.0 MHz	dB _{p-p}	-	1.3	2.0
Return Loss within 1626.6 ~ 1675.0 MHz	dB	8	11	-
Attenuation:				
DC ~ 1559.0 MHz	dB	30	32	-
1576.5 MHz	dB	31	50	-
1751.0 MHz	dB	35	40	-
2400.0 ~ 2500.0 MHz	dB	30	45	-

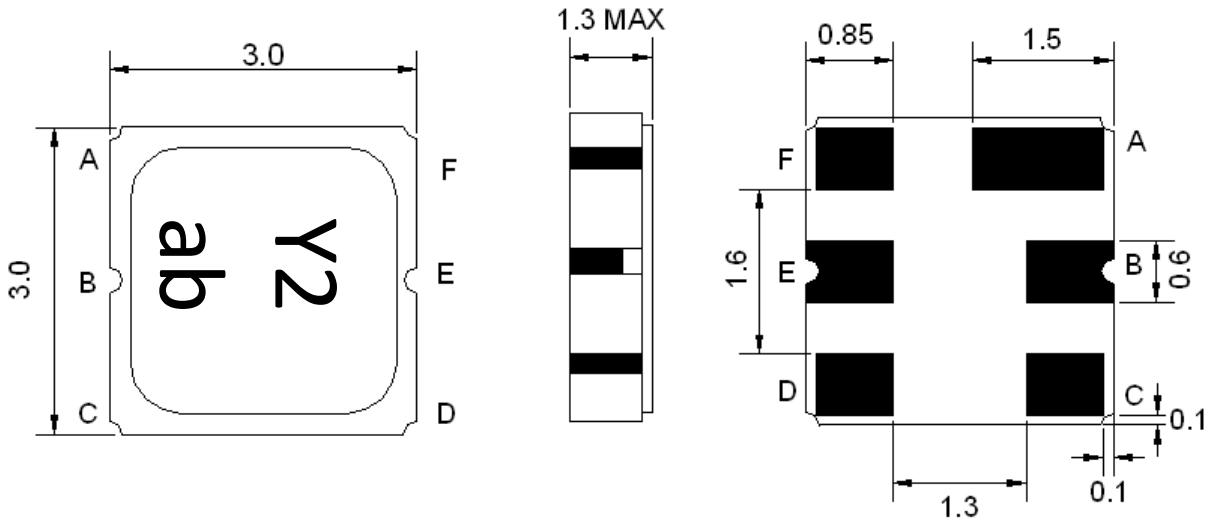
Maximum Ratings:

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-30	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	3
Maximum Input Power	dBm	-	-	13
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			

Notes: (1) No Matching Network (Ref. Testing Environment Circuit as shown below).



Outline Drawing:



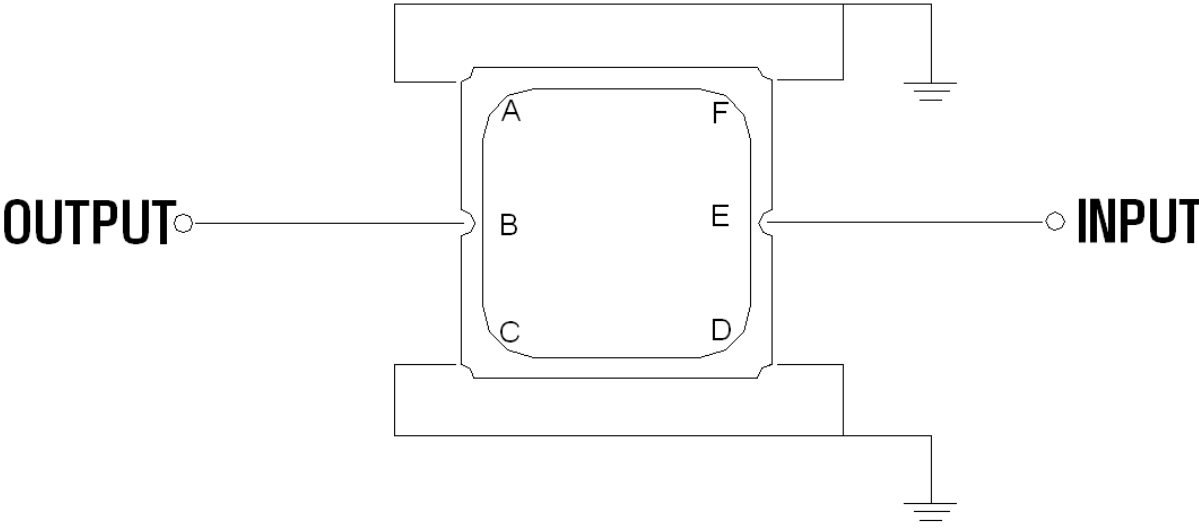
Marking Description:

Wireless Application – Y
Series Number – 2
Date Code (Year) – a
Date Code (Month) - b

Pin Description:

Ground – A C D F
Input – E
Output – B

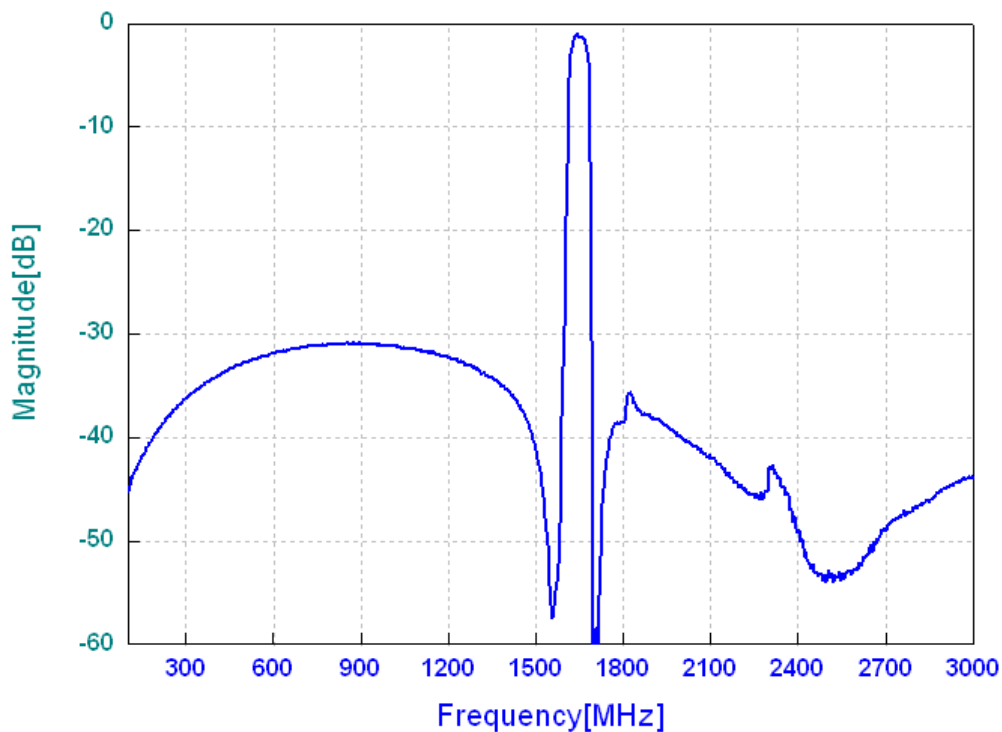
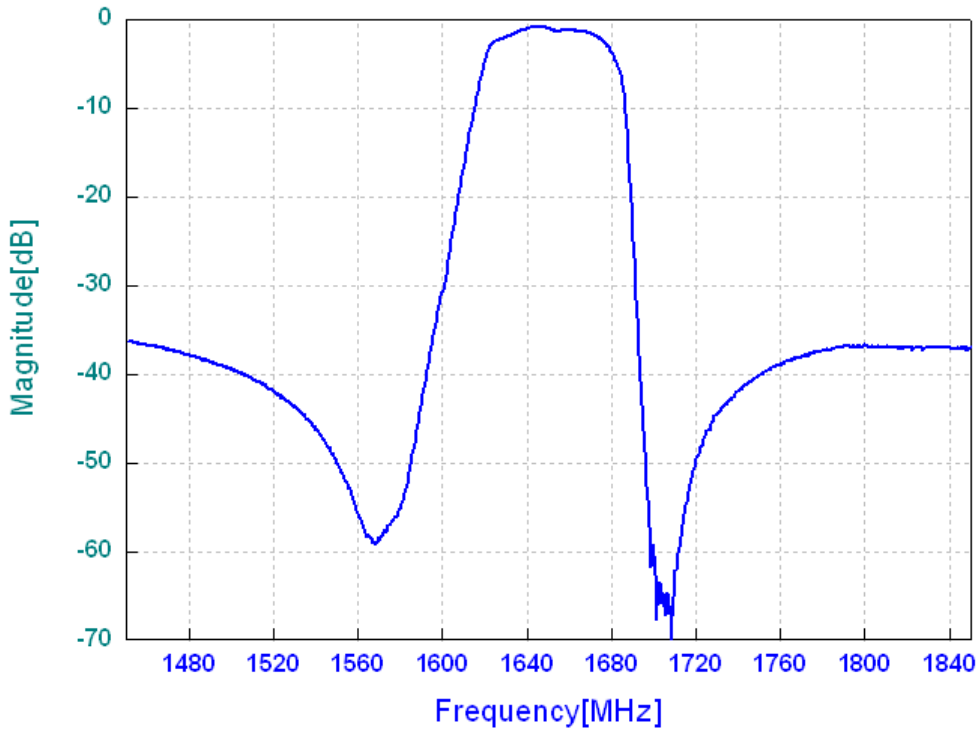
Testing Environment:



Source/Load Impedance: 50 Ω

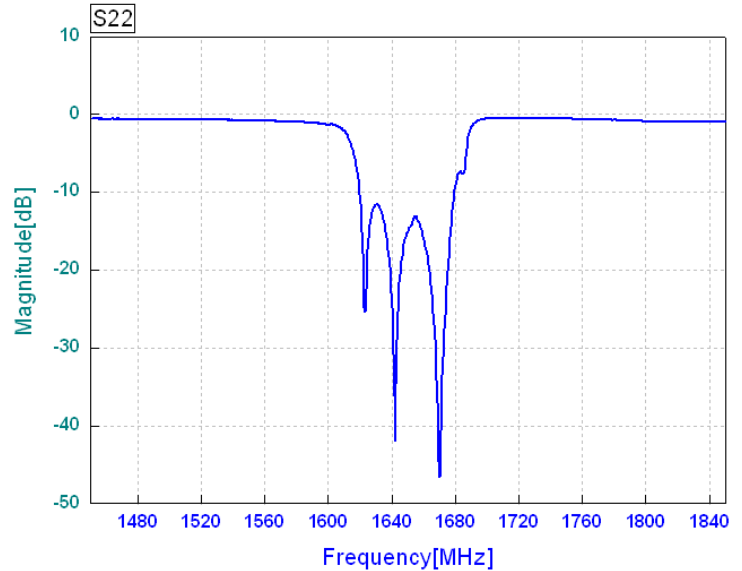
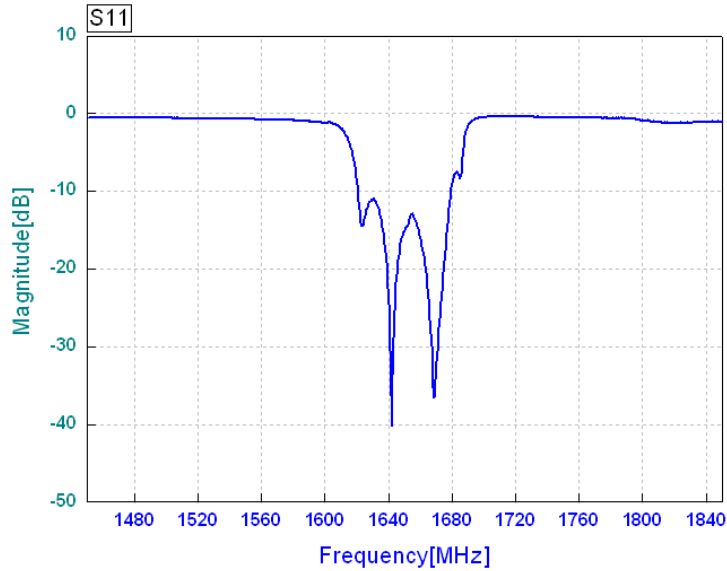


Frequency Response:





Return Loss:



Smith Chart:

