



1642 MHz RF Saw Filter
Part Number: AM1642S1080



Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	1642.0	-
Max Insertion Loss within 1617.0 ~ 1667.0 MHz	dB	-	3.0	4.0
Amplitude Ripple within 1617.0 ~ 1667.0 MHz	dB _{p-p}	-	1.8	2.5
VSWR within 1617.0 ~ 1667.0 MHz	-	-	1.6	2.3
Attenuation:				
1567.0 MHz	dB	30	51	-
1717.0 MHz	dB	30	42	-

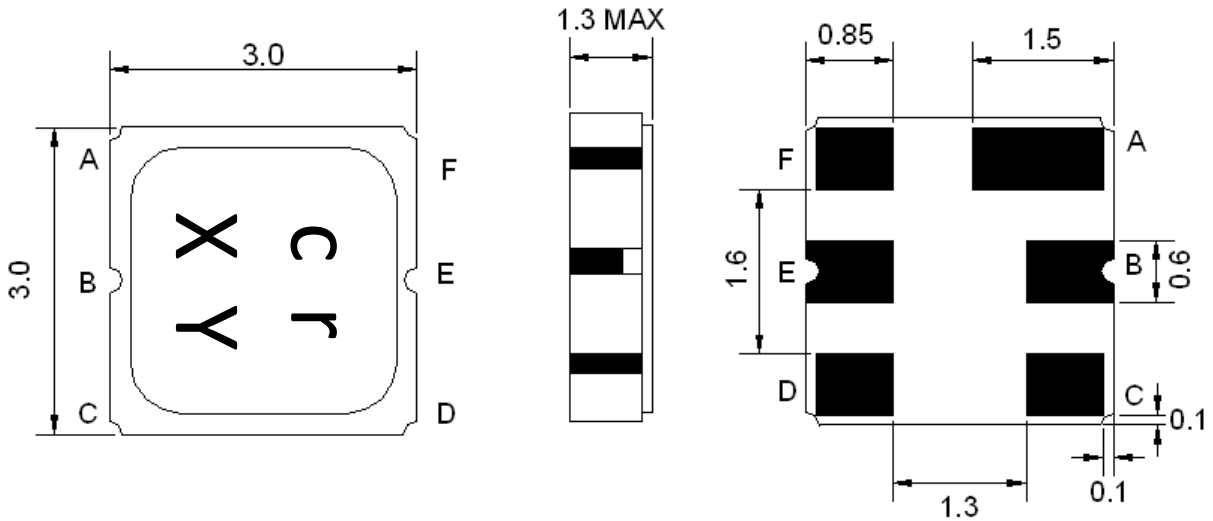
Maximum Ratings:

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-10	-	+60
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	10
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).



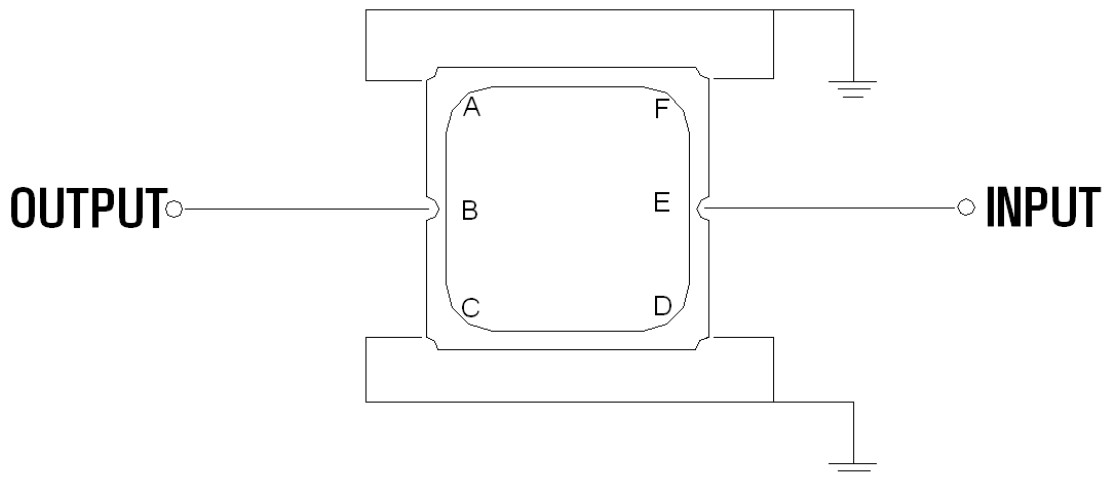
Outline Drawing:



Marking Description:
Wireless Application – c
Series Number – r
Date Code (Year) – X
Date Code (Month) - Y

Pin Description:
Ground – A C D F
Input or Output – E
Output or Input – B

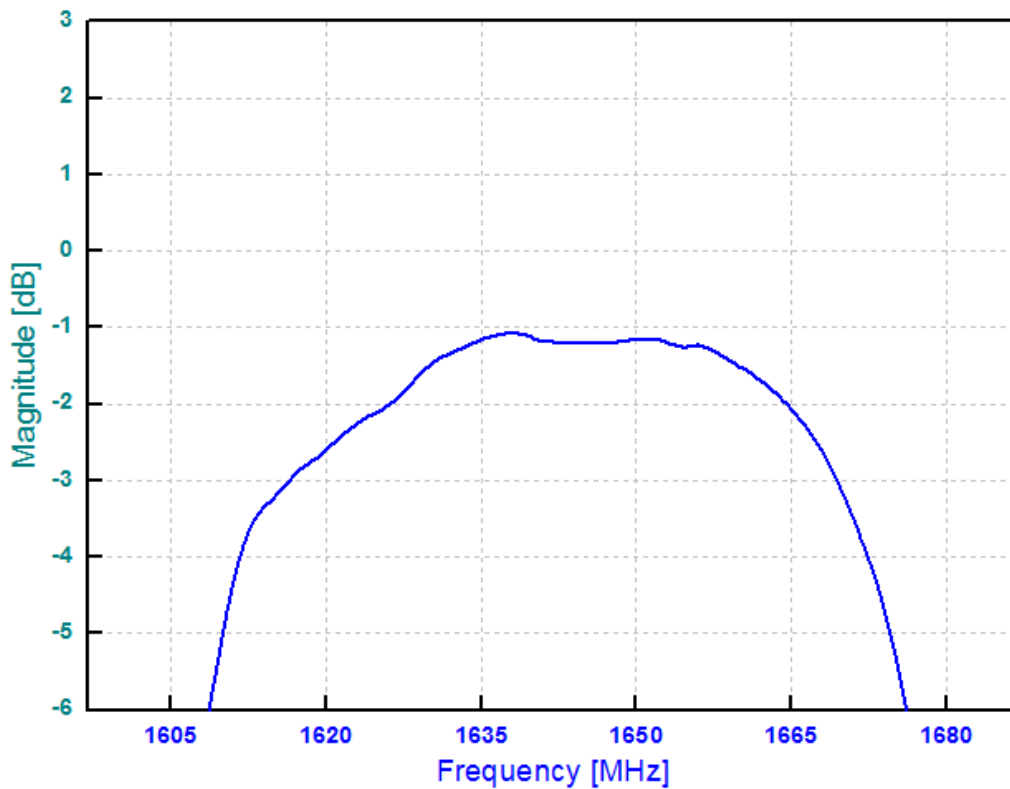
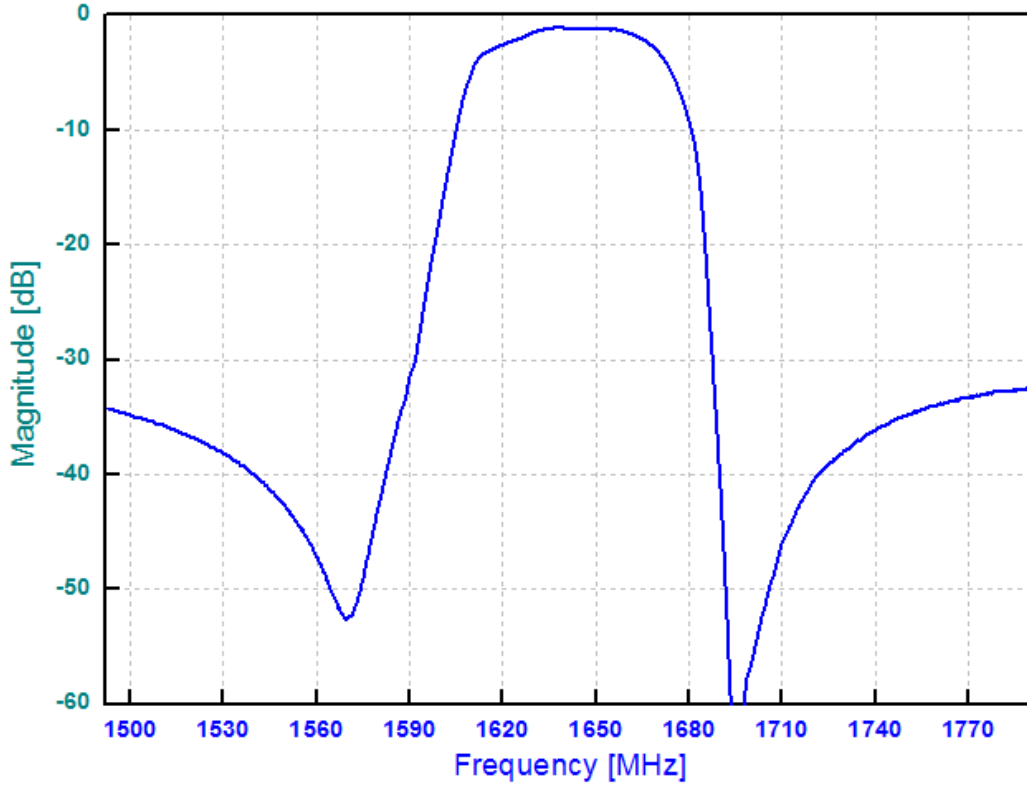
Testing Environment:



Source/Load Impedance: 50 Ω

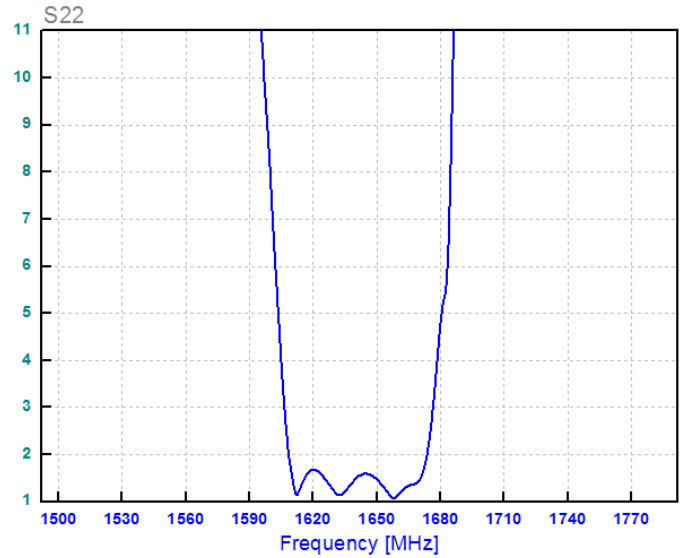
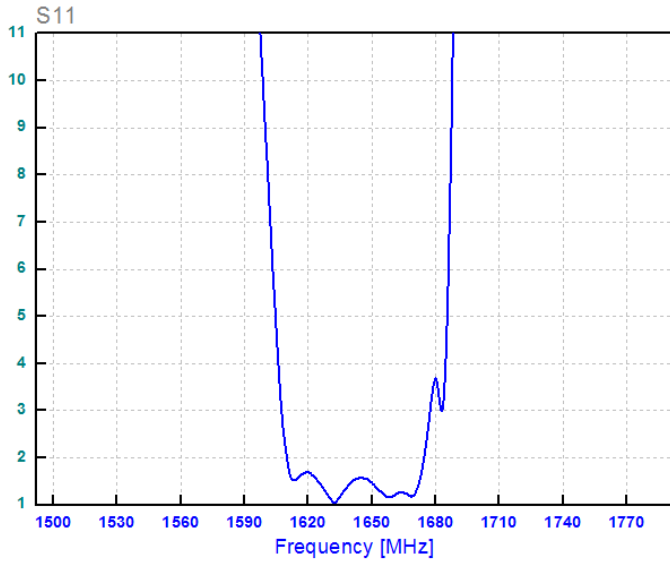


Frequency Response:





VSWR:



Smith Chart:

