



Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	827.5	-
Insertion Loss in 825.4 ~ 829.4 MHz	dB	-	2.5	3.0
Amplitude Ripple in 825.4 ~ 829.4 MHz	dB _{p-p}	-	0.3	0.8
Attenuation:				
750.0 ~ 810.0 MHz	dB	40	50	-
816.05 MHz (Fo - 11.35 MHz)	dB	10	20	-
838.75 MHz (Fo + 11.35 MHz)	dB	10	20	-
845.0 ~ 900.0 MHz	dB	35	44	-

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	0	-	+70
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			



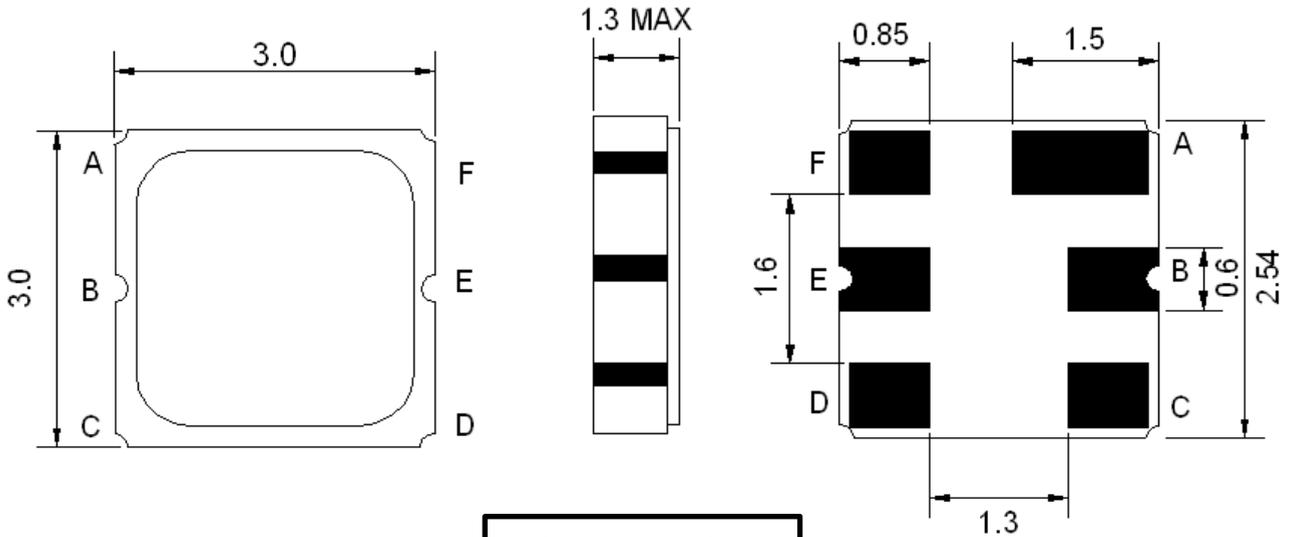
827 MHz Wireless, RF Saw Filter

Part Number: AM827S827



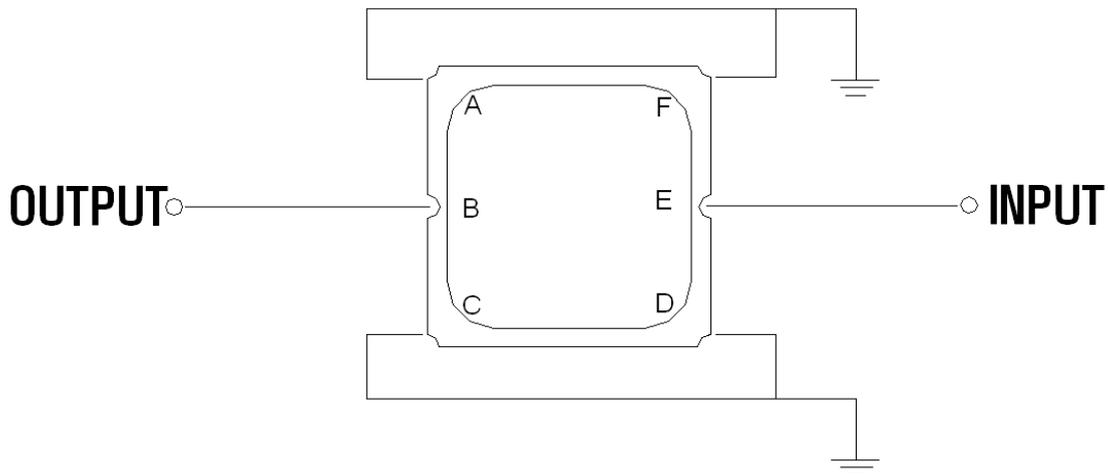
ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

Outline Drawing:



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

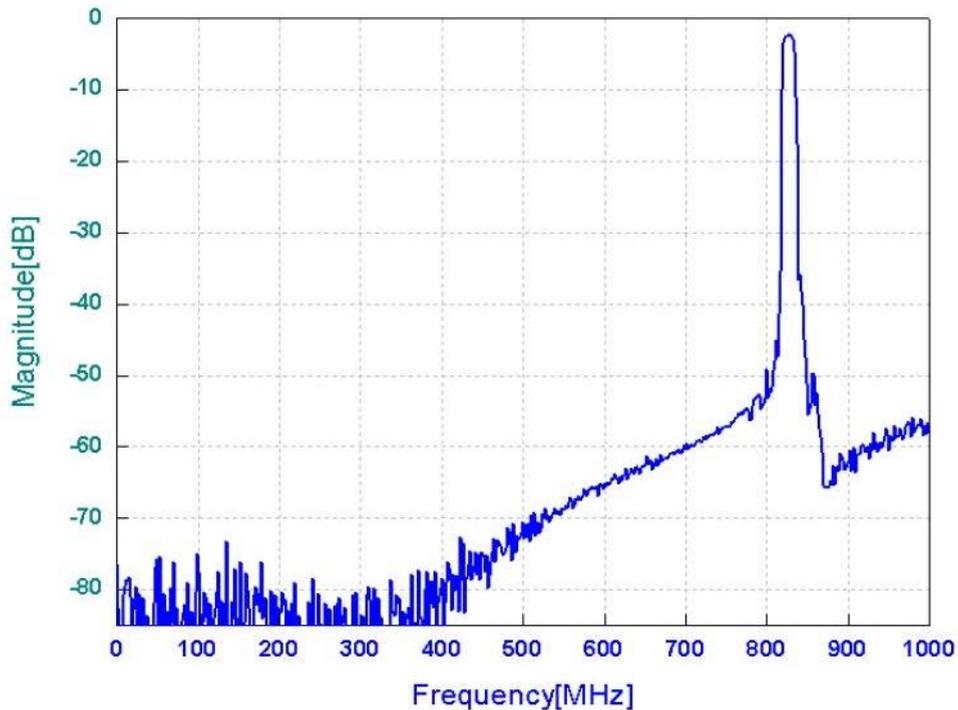
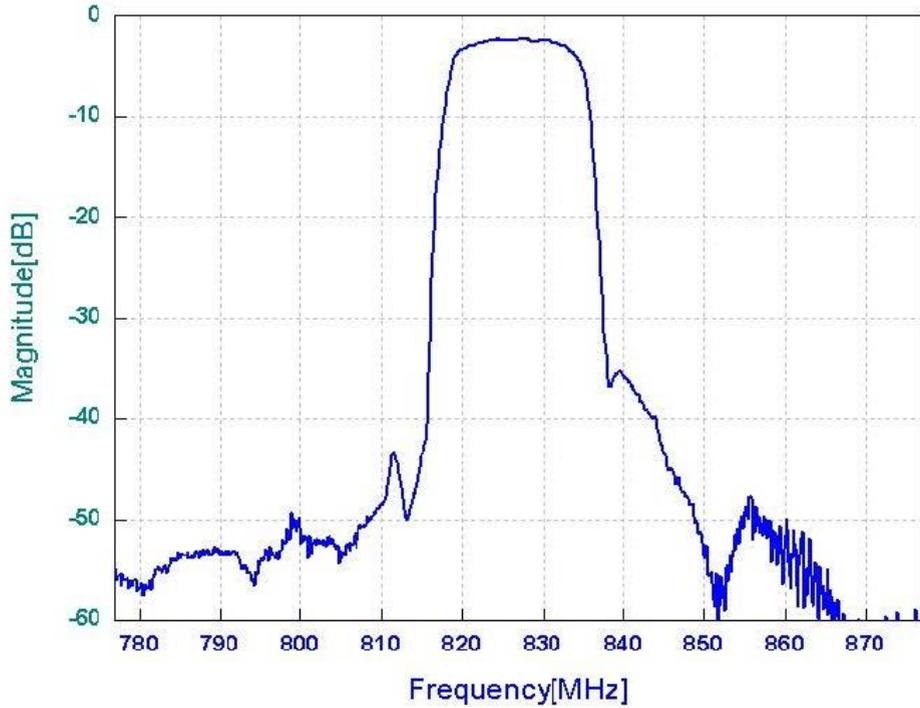
Testing Environment:



Source/Load Impedance: 50 Ω

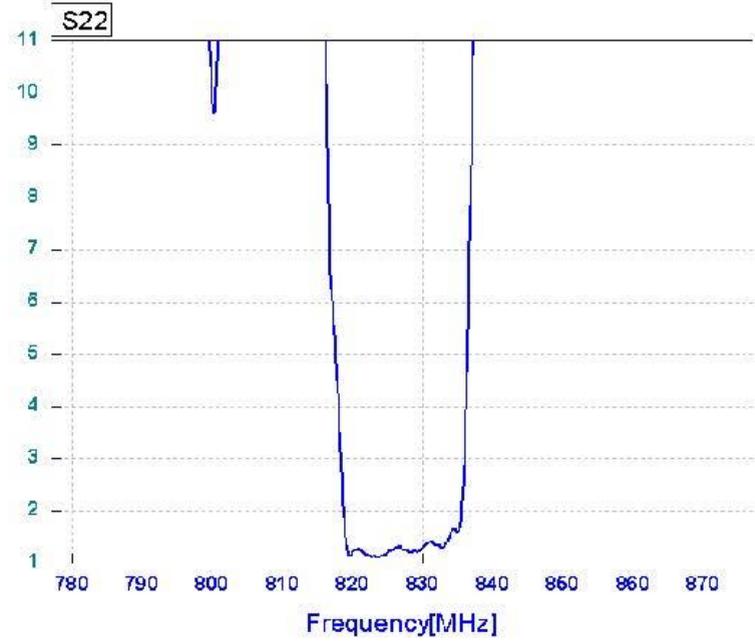
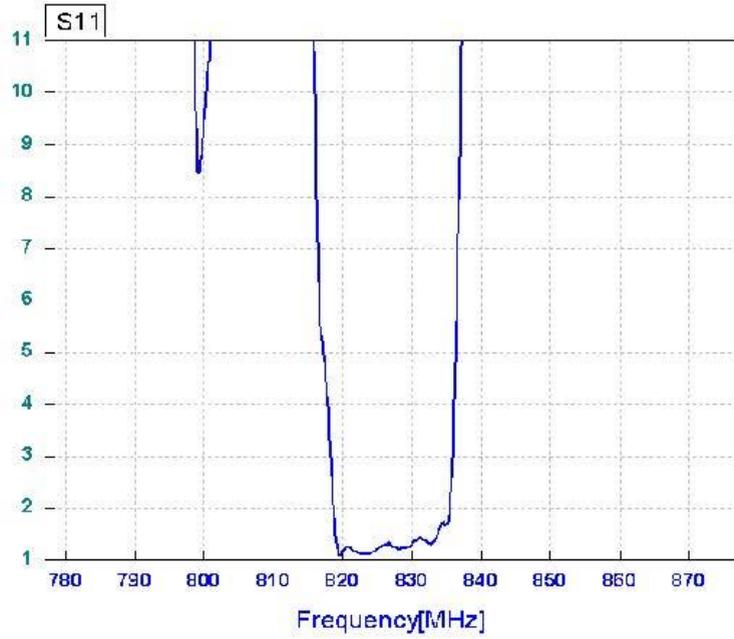


Response Plot:





VSWR



Smith Chart

