



1503 MHz RF Saw Bandpass Filter

Part Number: AM1503S829



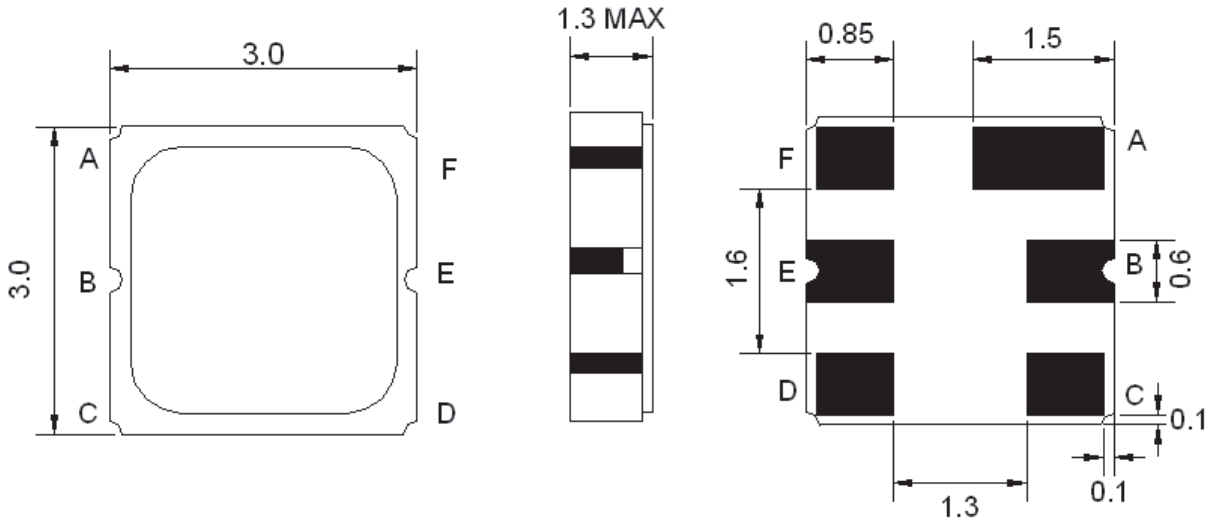
Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	1503.4	-
Insertion Loss within 1495.9 ~ 1510.9 MHz	dB	-	1.9	3.2
Amplitude Ripple within 1495.9 ~ 1510.9 MHz	dB _{p-p}	-	0.7	1.5
VSWR within 1495.9 ~ 1510.9 MHz	-	-	1.6	2.2
Attenuation:				
DC ~ 1300.0 MHz	dB	30	38	-
1400.0 ~ 1475.0 MHz	dB	8	17	-
1550.0 ~ 1750.0 MHz	dB	35	39	-
1750.0 ~ 3000.0 MHz	dB	30	39	-

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-30	-	+85
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	

Note: (1) No Matching Network (Ref. Testing Environment Circuit as show below).



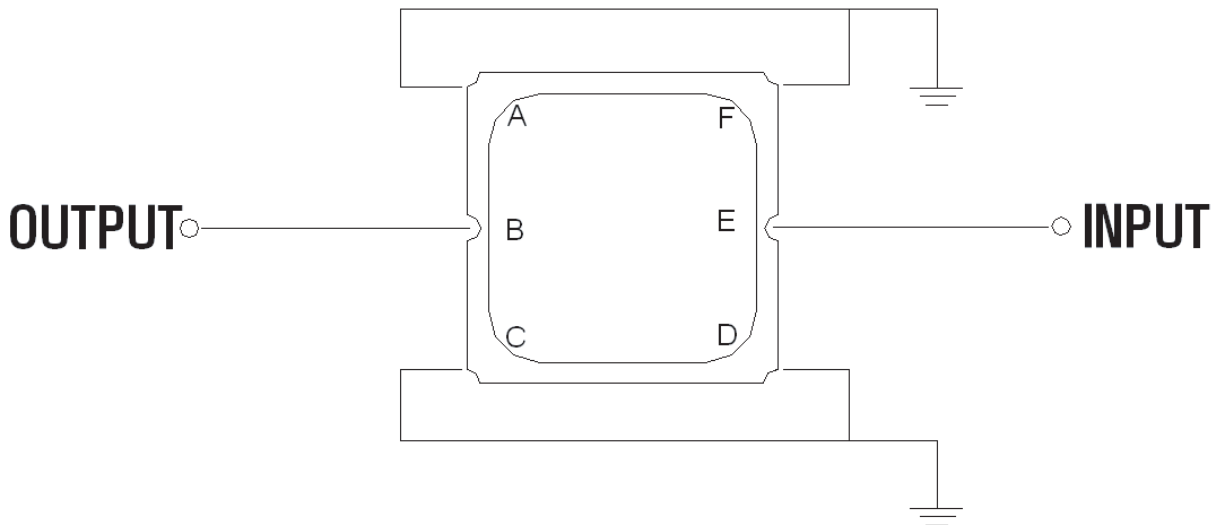
Outline Drawing:



Pin Description:

Ground – A C D F
 Input or Output – B
 Output or Input – E

Testing Environment:



Source/Load Impedance: 50 Ω

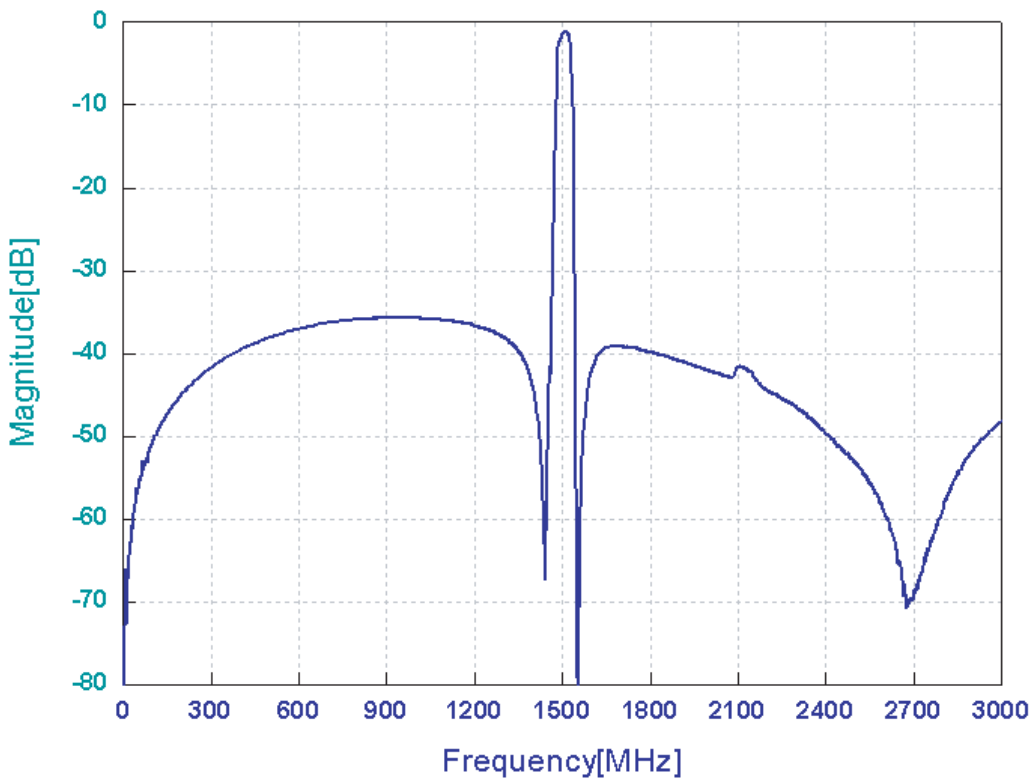
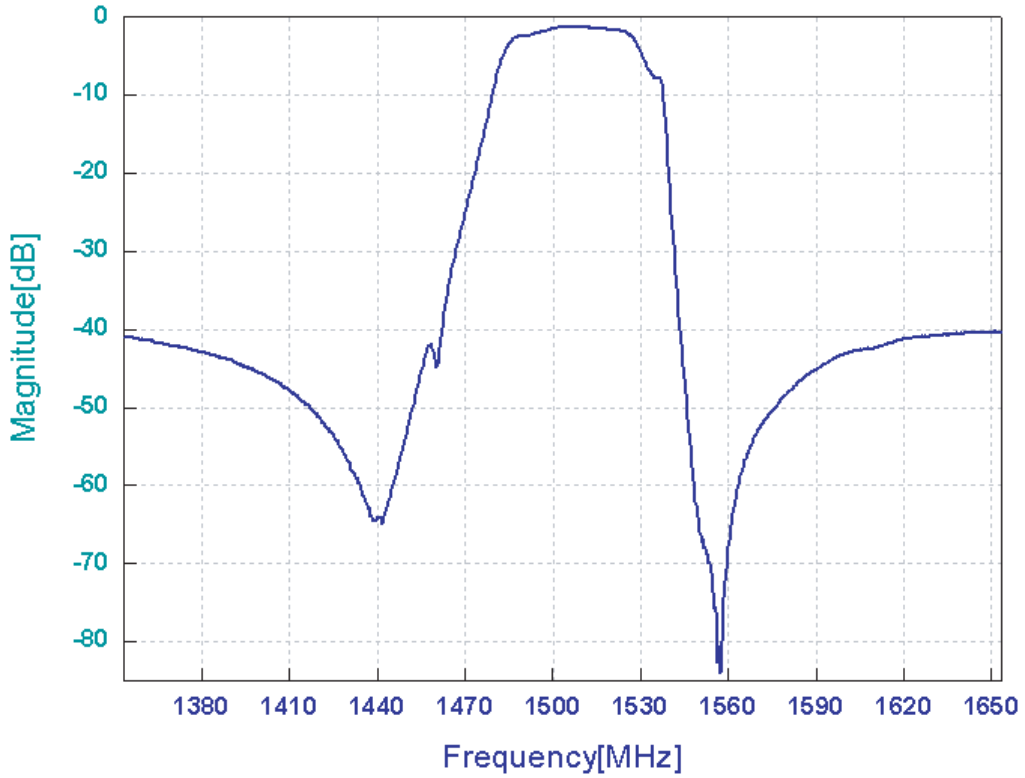


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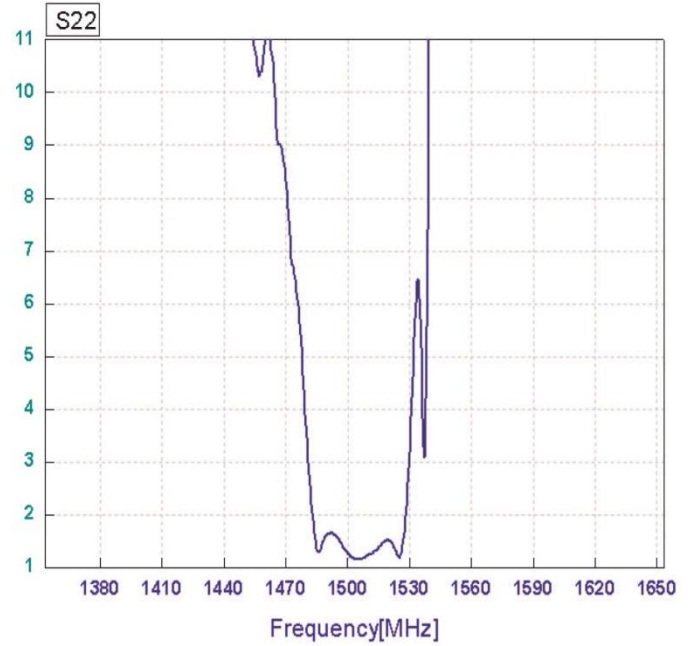
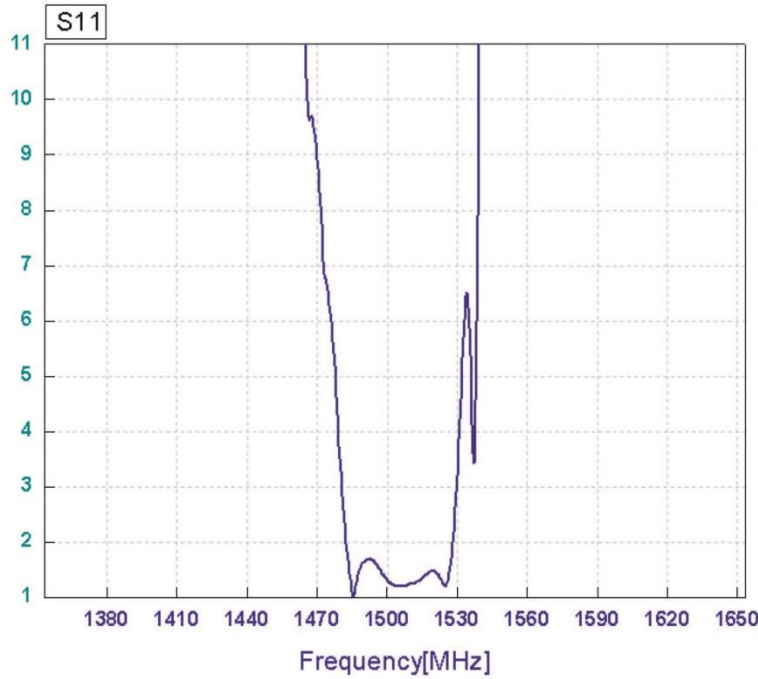


Response Plot:





VSWR:



Smith Chart:

