



# ANATECH ELECTRONICS, INC.

Manufacturer of RF & Microwave Products



## 2642 MHz DMB RF Saw Filter

P/N: AM2642S357

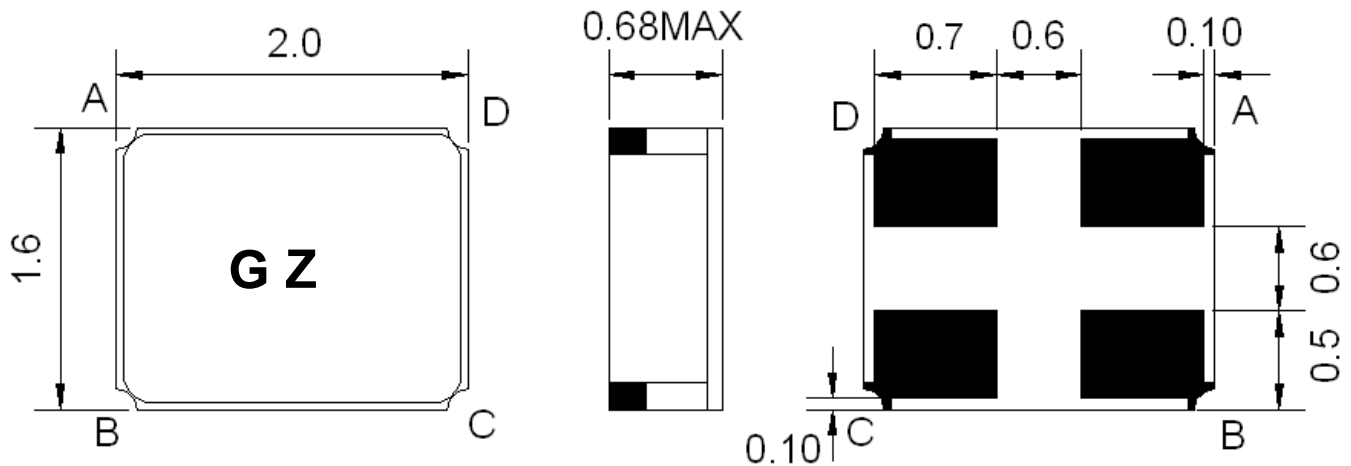
Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	2642.5	-
Insertion Loss within 2630.0 ~ 2655.0 MHz	dB	-	2.0	2.5
Amplitude Ripple within 2630.0 ~ 2655.0 MHz	dB <sub>p-p</sub>	-	0.2	1.0
<b>Attenuation:</b>				
D.C. ~ 2400 MHz	dB	18	20	-
2400 ~ 2500 MHz	dB	28	30	-
2750 ~ 3500 MHz	dB	25	28	-
3500 ~ 6000 MHz	dB	30	32	-
VSWR within 2630.0 ~ 2655.0 MHz	-	-	1.3	2.0

Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+80
Storage Temperature Range	°C	-	-	-
Maximum DC Voltage	V	-	-	0.2
Maximum Input Power	dBm	-	-	0
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Package type & size	J			
Length x Width	mm <sup>2</sup>	-	2.0 x 1.6	-
Height	mm	-	-	0.68



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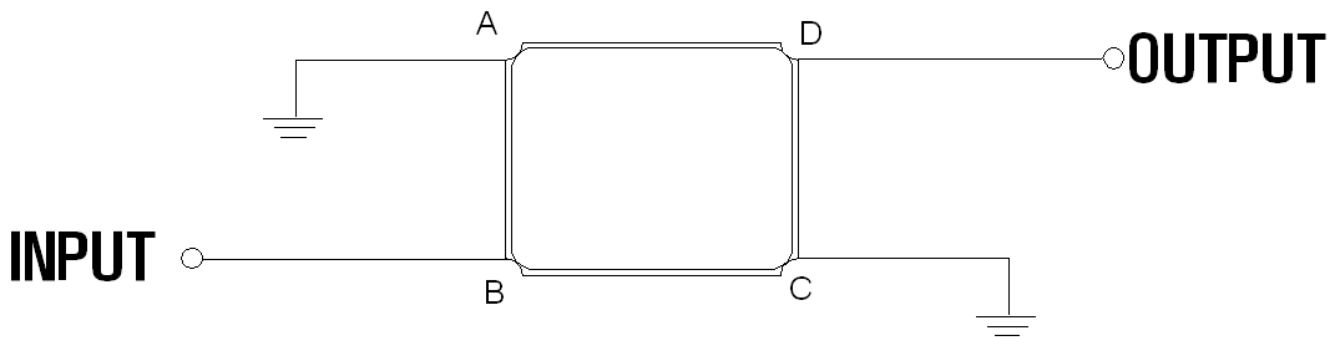
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Marking Descriptions	
G	Series Number
Z	Date Code(Year+month)

Pin Description	
A, C	Ground
B	In
D	Out

**Testing Environment**



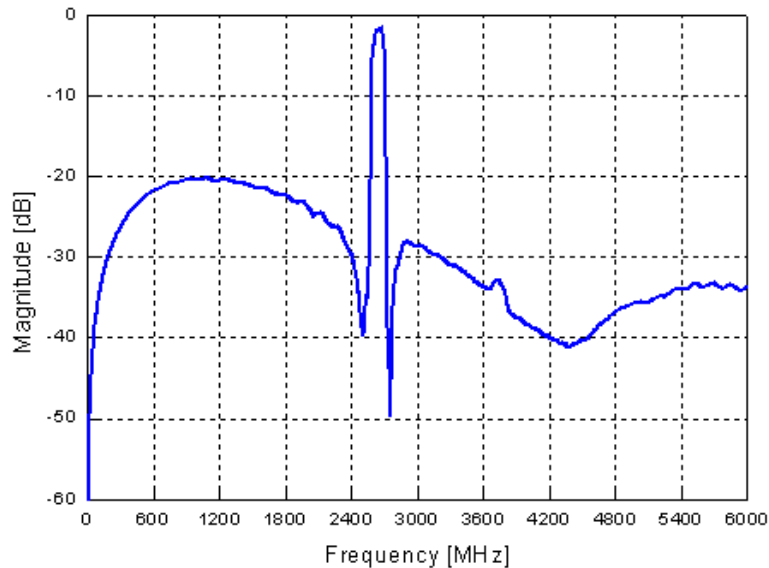
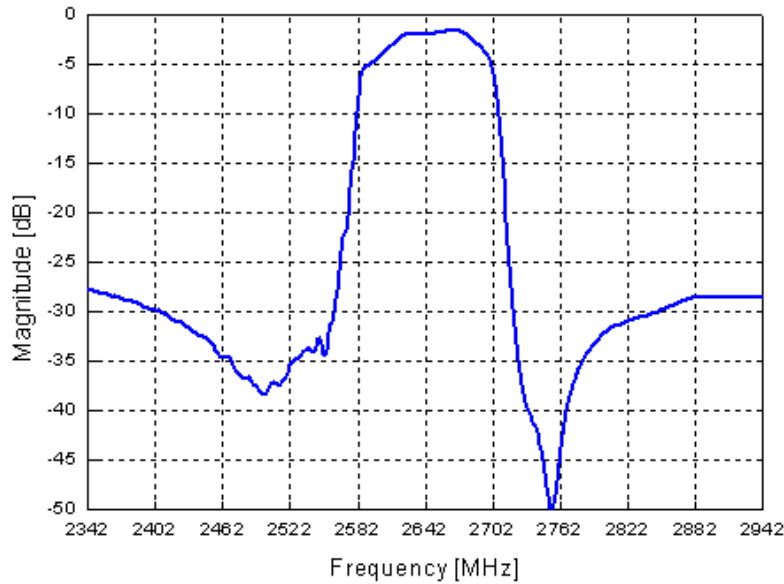
Source & Load Impedance: 50 Ω



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**Frequency Response:**

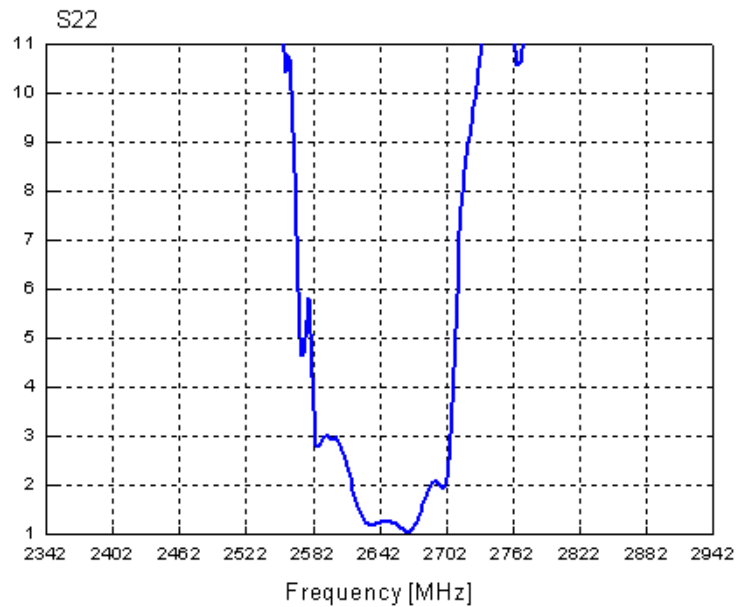
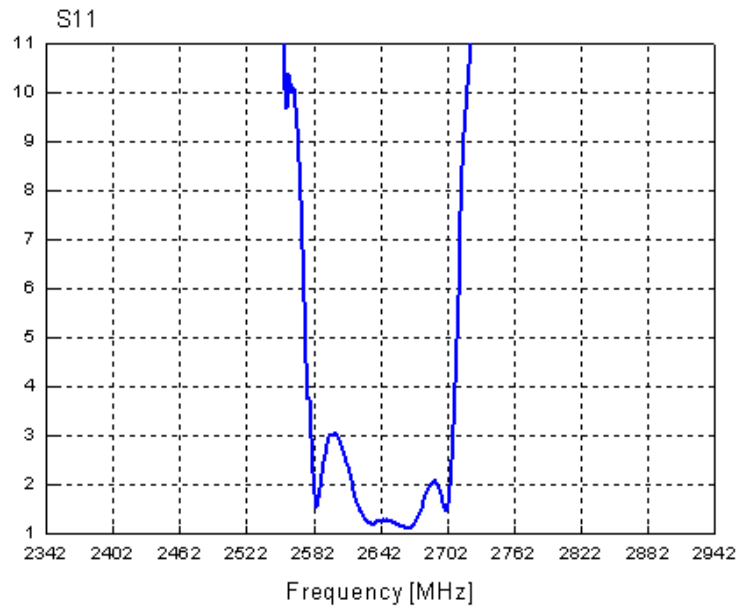




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**VSWR**





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**Smith Chart**

S11

39.2851-j 1.5068  
2642.5.0 MHz

S22

40.145 -j 0.88634  
2642.5.0 MHz

