



**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

# 1090 MHz Saw Bandpass Filter

**Part Number: AM1090S844**



Parameters Description	Unit	Minimum	Typical	Maximum
<b>Center Frequency (Fo)</b>	MHz	-	1090.0	-
<b>Insertion Loss within 1084~1096 MHz</b>	dB	-	3.2	3.5
<b>Amplitude Ripple within 1084~1096 MHz</b>	dBp-p	-	1.0	1.5
<b>VSWR within 1084~1096 MHz</b>	-	-	1.5	2.0
<b>Attenuation:</b>				
<b>Fo-300 ~ Fo-50 MHz</b>	dB	40	50	-
<b>Fo+60 ~ Fo+300 MHz</b>	dB	27	32	-

Parameters Description	Unit	Minimum	Typical	Maximum
<b>Operation Temperature Range</b>	°C	-30	-	+75
<b>Storage Temperature Range</b>	°C	-40	-	+85
<b>Maximum DC Voltage</b>	V	-	-	0
<b>Maximum Input Power</b>	dBm	-	-	10
<b>Source Impedance (Single Ended),<sub>1</sub></b>	Ω	-	50	-
<b>Load Impedance (Single Ended),<sub>1</sub></b>	Ω	-	50	-
<b>Package Size and Type</b>	3.8 x 3.8 x 1.4 mm P			



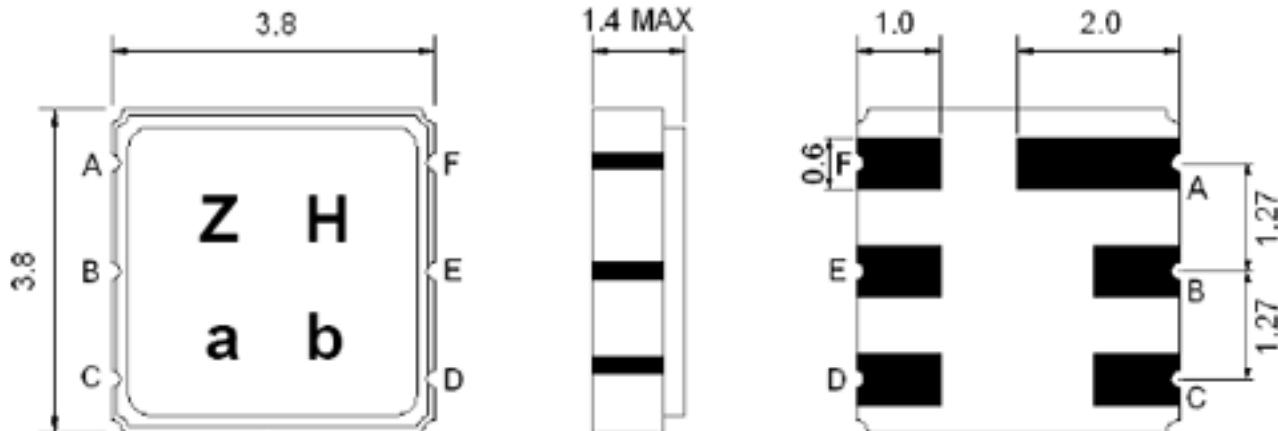
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## Outline Drawing:



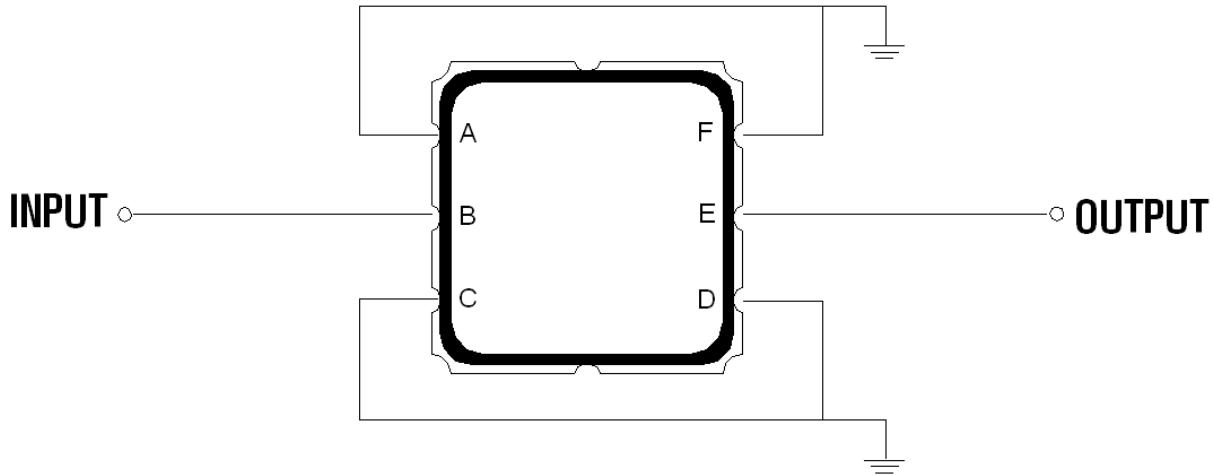
### Marking Description:

Wireless Application – Z  
Series Number – H  
Date Code (Year) – a  
Date Code (Month) – b

### Pin Description:

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

## Testing Environment:



Source/Load Impedance:  $50 \Omega$



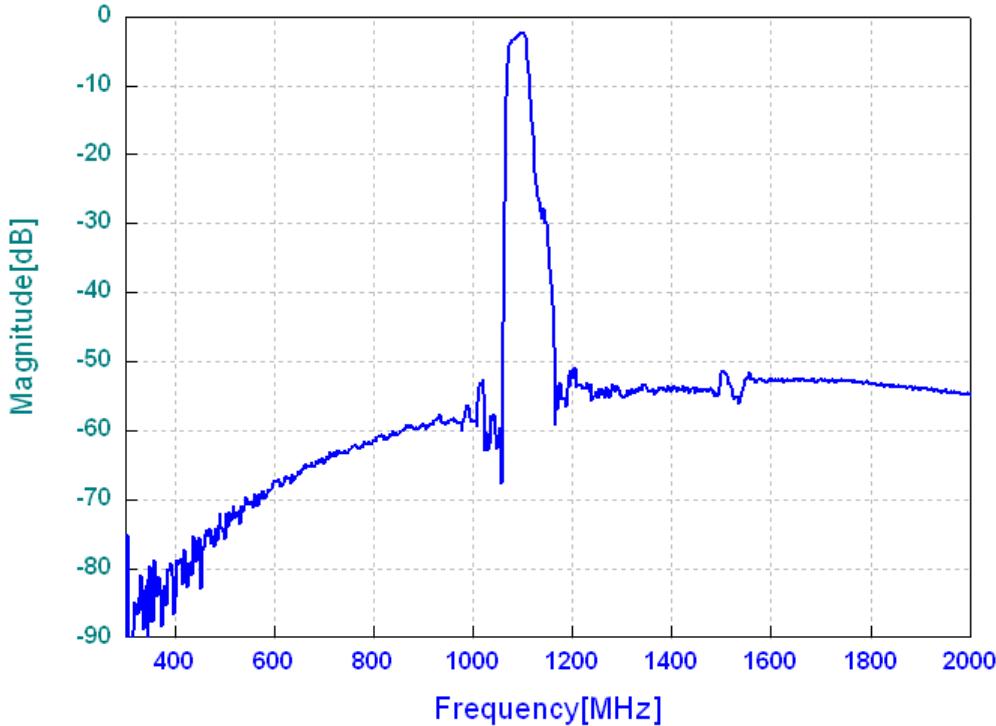
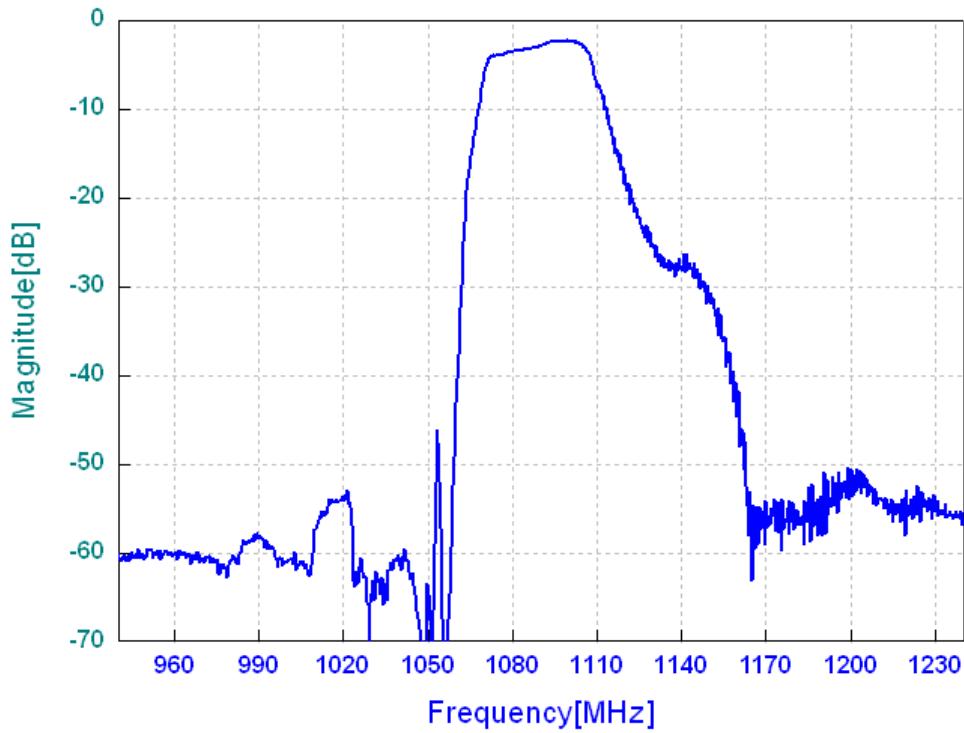
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**Response Plot:**





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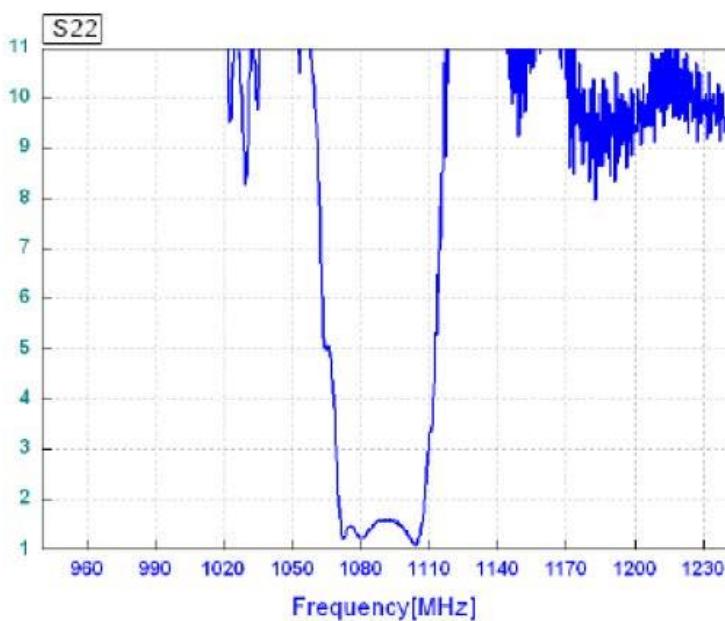
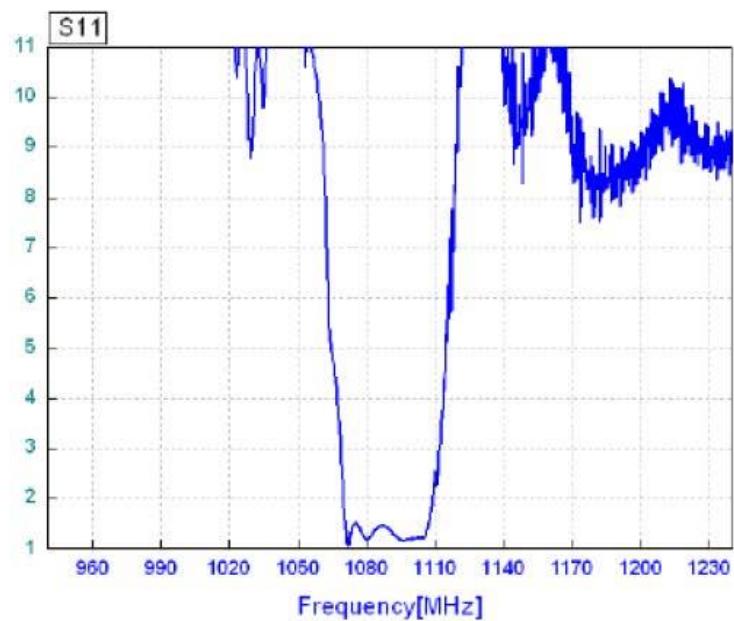
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## Response Plot:

VSWR



Smith Chart

