



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

# 1030 MHz Saw Bandpass Filter

**Part Number: AM1030S845**



Parameters Description	Unit	Minimum	Typical	Maximum
<b>Center Frequency (Fo)</b>	MHz	-	1030.0	-
<b>Insertion Loss within 1015.5 ~ 1045.0 MHz</b>	dB	-	2.3	3.0
<b>Amplitude Ripple within 1025.0 ~ 1035.0 MHz</b>	dBp-p	-	0.25	1.0
<b>VSWR within 1015.0 ~ 1045.0 MHz</b>	-	-	1.8	2.1
<b>Attenuation:</b>				
<b>DC ~ 910.0 MHz</b>	dB	25	29.5	-
<b>1090.0 ~ 1200.0 MHz</b>	dB	25	32.5	-

Parameters Description	Unit	Minimum	Typical	Maximum
<b>Operation Temperature Range</b>	°C	-30	-	+85
<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</b>	3.8 x 3.8 x 1.4 mm		P1	



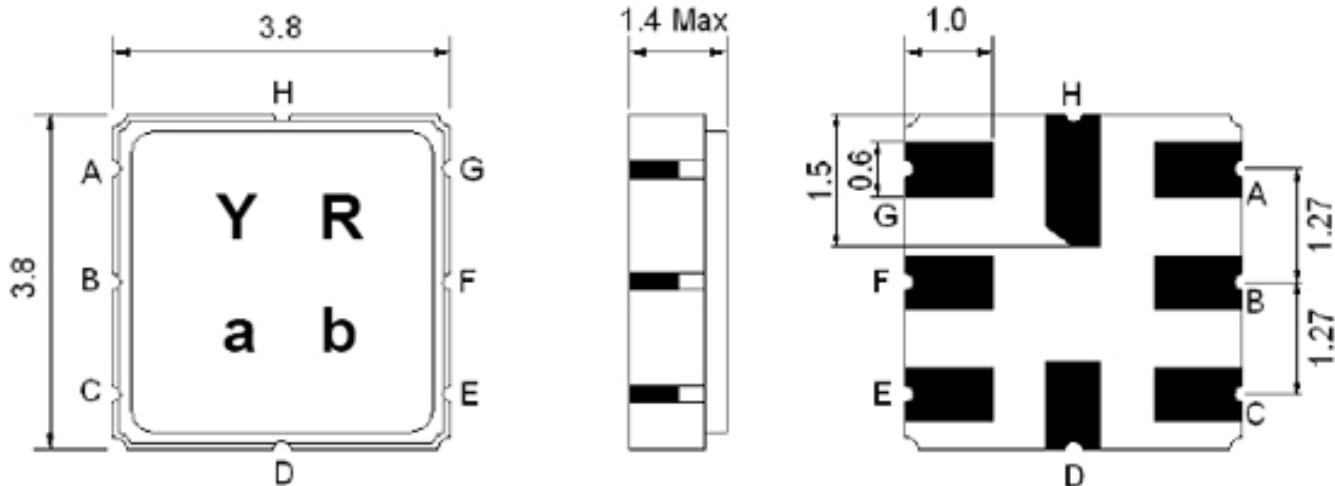
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## Outline Drawing:



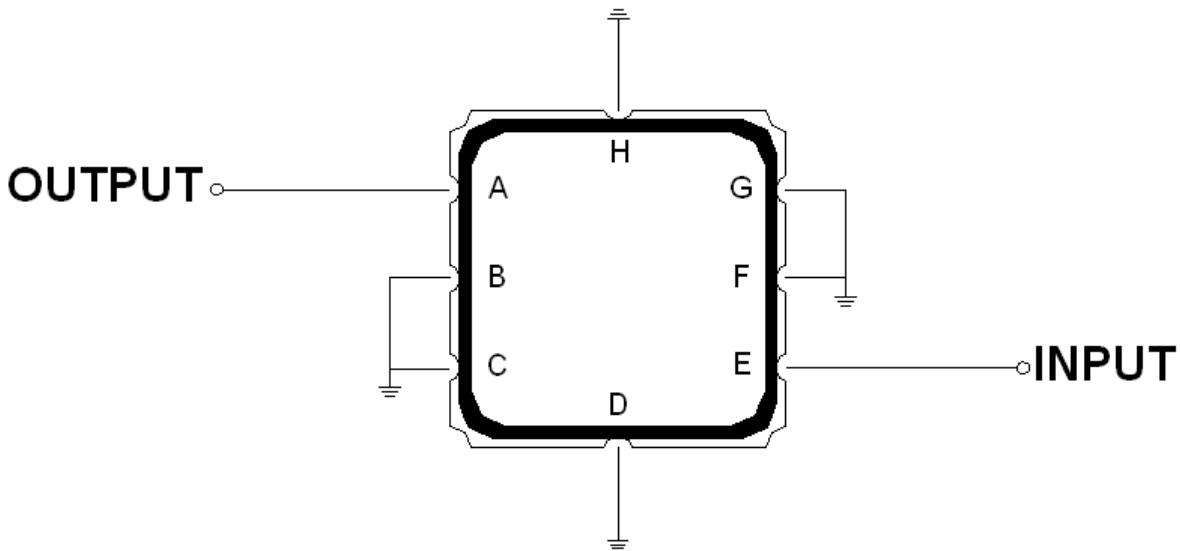
### Marking Description:

Wireless Application – Y  
Series Number – R  
Date Code (Year) – a  
Date Code (Month) – b

### Pin Description:

Ground – B C D F G H  
Input – E  
Output - A

## Testing Environment:



Source & Load Impedance: 50 Ω



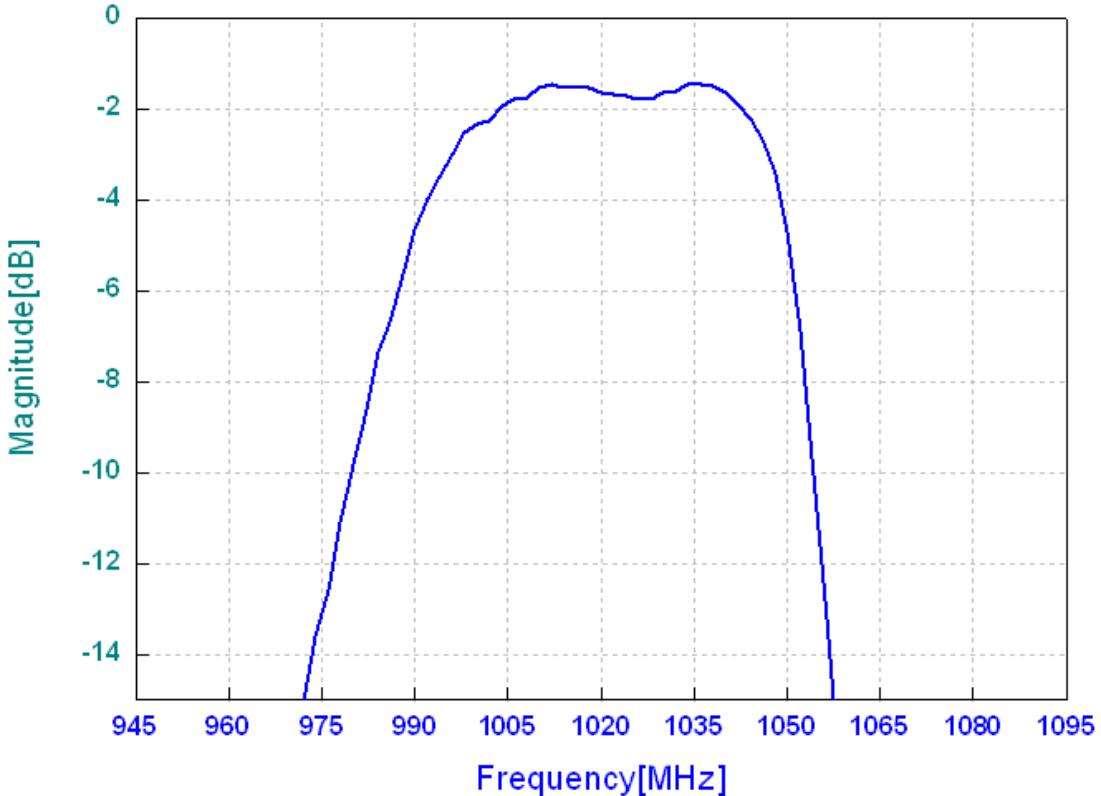
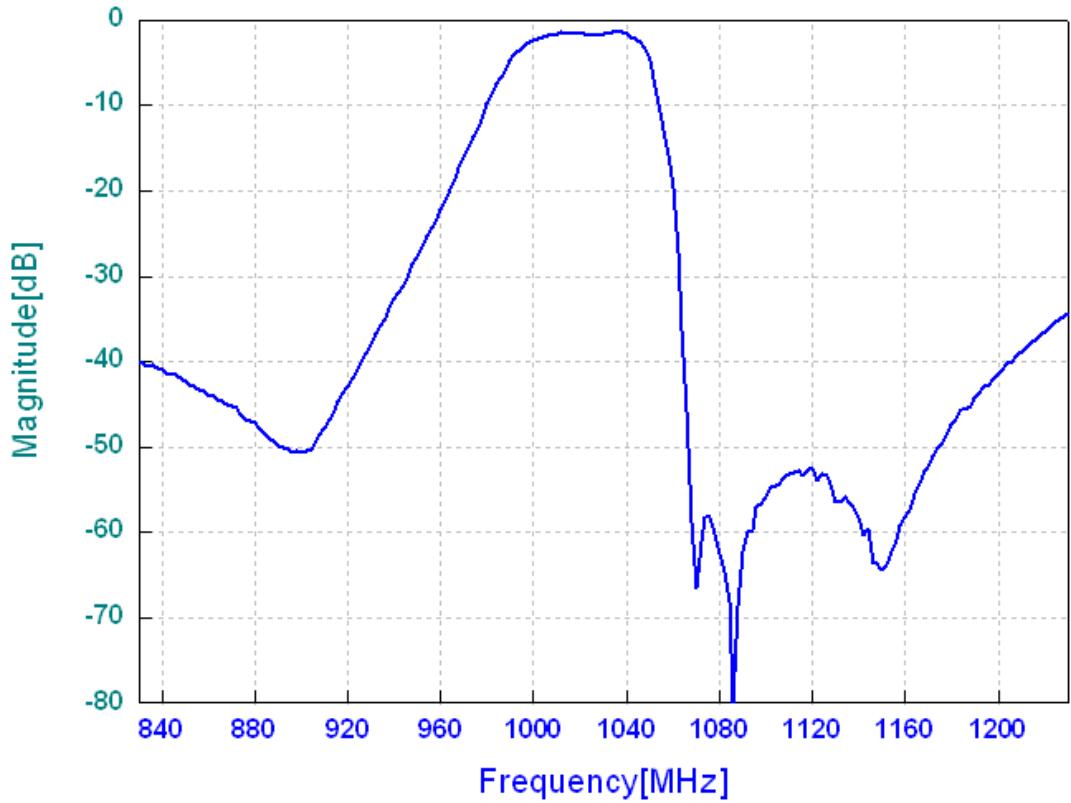
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**Response Plot:**





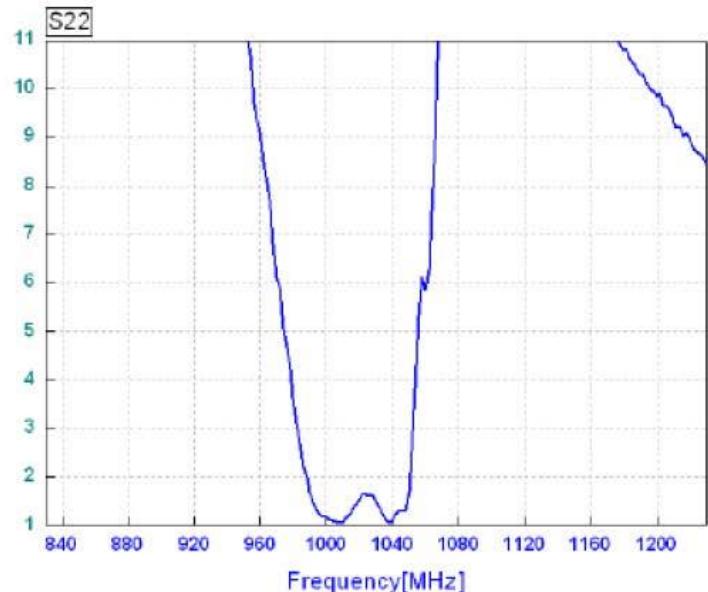
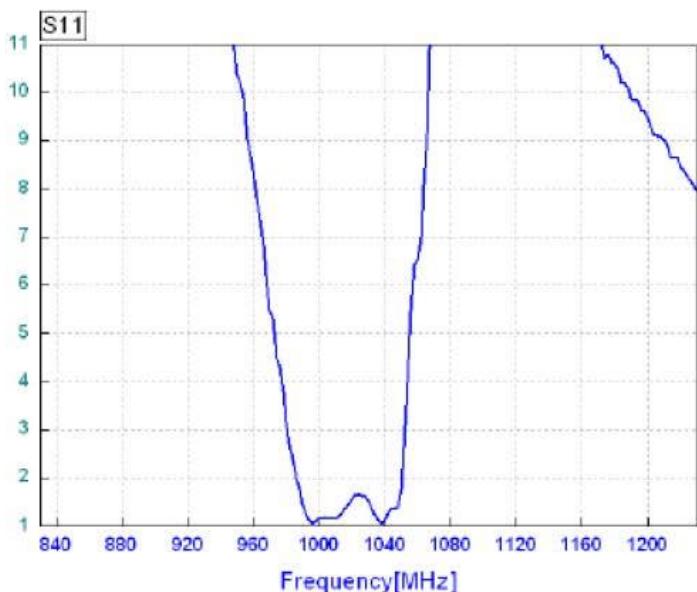
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**VSWR**



**Smith Chart**

