

1575.0MHz SAW Filter

Model: TA1575LL

Part No: MP01027

REV NO.: 3

A. MAXIMUM RATING:

1. Input Power Level: 30 dBm (*)
2. DC Voltage : 3V
3. Operating Temperature: -20°C to +70°C
4. Storage Temperature: -30°C to +85°C

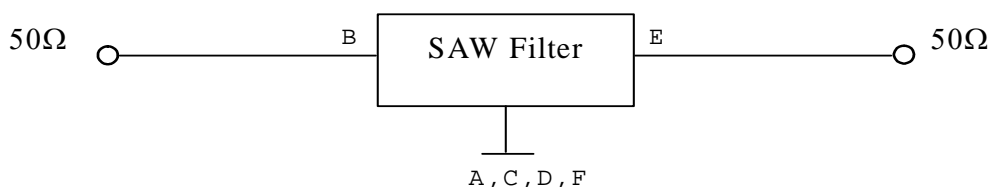
B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.	Note
Center Frequency Fc	MHz	-	1575	-	-
Insertion Loss at 1575 MHz IL	dB	-	1	1.3	-
Amplitude Ripple (1565 ~ 1585 MHz)	dB	-	0.2	2	-
VSWR (1565 ~ 1585 MHz)		-	1.25	2.0	-
Relative Attenuation (relative to 0 dB)					
D.C. ~ 600 MHz	dB	12	17	-	-
600 ~ 1475 MHz	dB	10	21	-	-
1625 ~ 1650 MHz	dB	14	24	-	-
1650 ~ 3000 MHz	dB	10	17.5	-	-

(*) : power input period is 10 sec.

C. MEASUREMENT CIRCUIT:

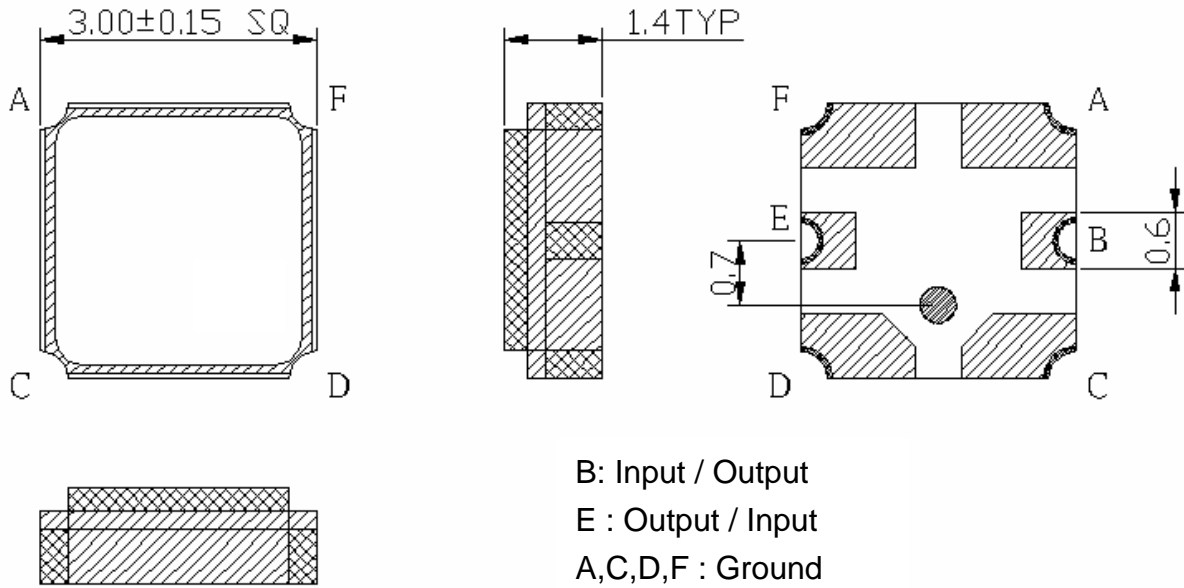
HP Network analyzer



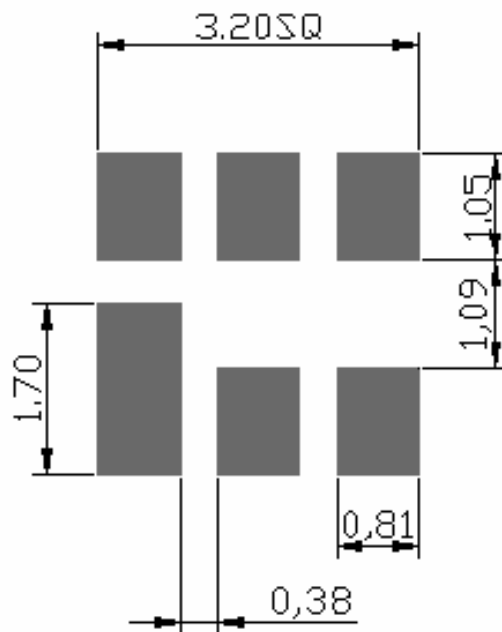
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D. OUTLINE DRAWING:



E. PCB FOOTPRINT:



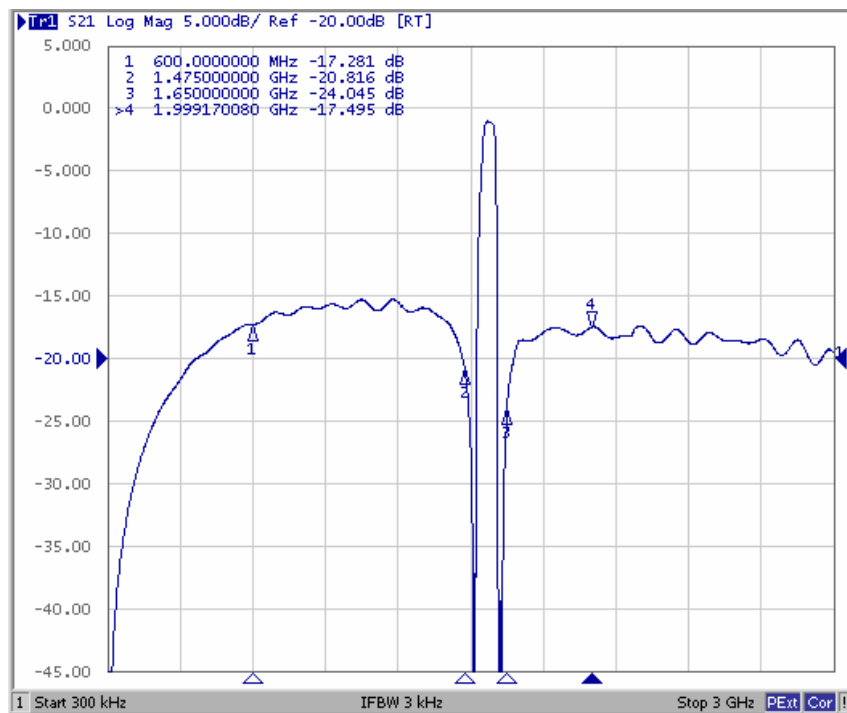
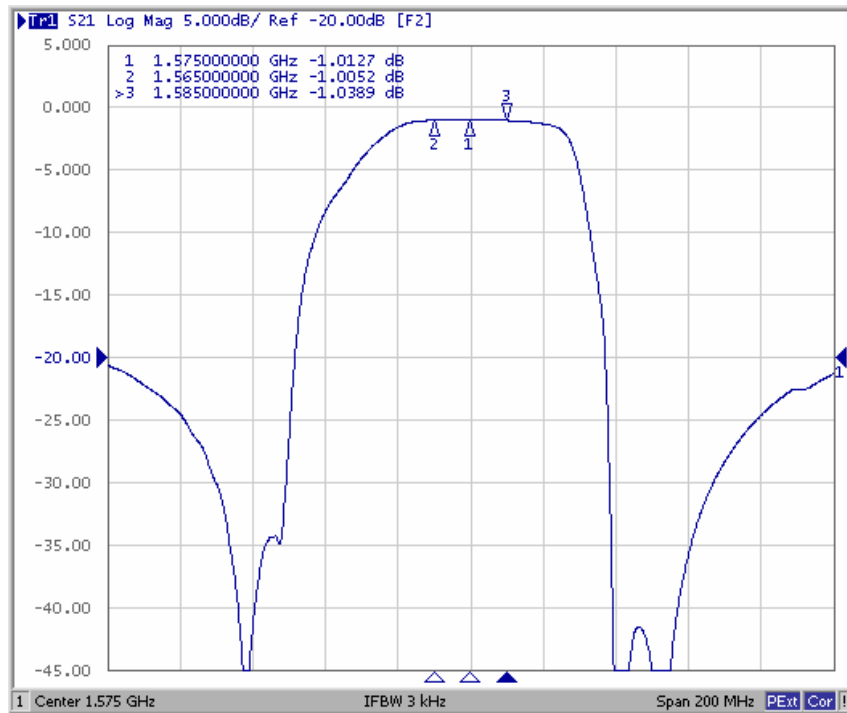
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F. FREQUENCY CHARACTERISTICS:

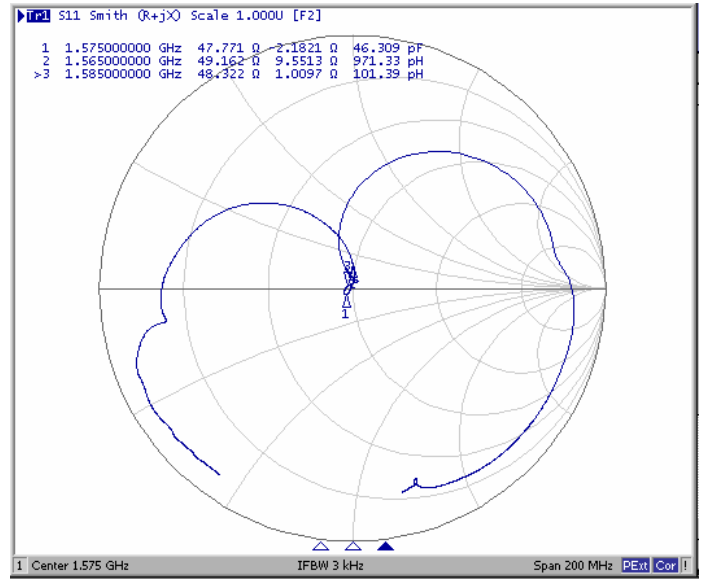
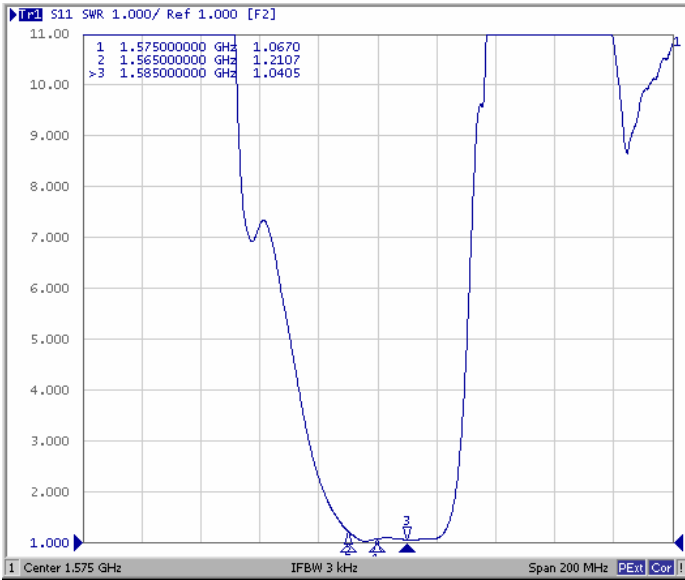


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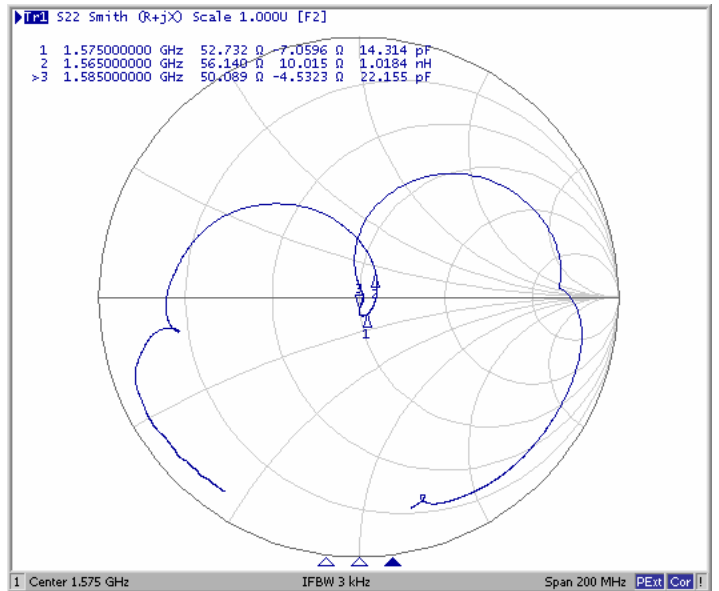
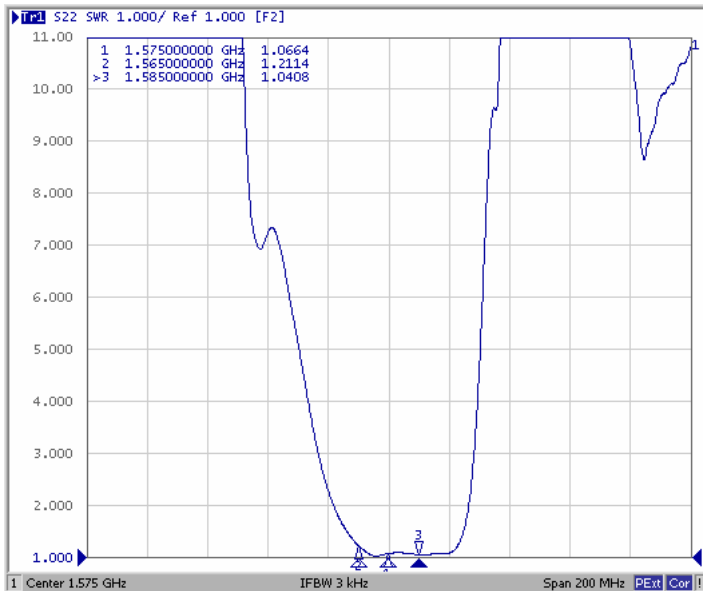
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Reflections Functions:

S11 VSWR



S22 VSWR



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H. RECOMMENDED REFLOW PROFILE:

