

**SAW Filter 288.0MHz**  
**Part No: MP03533**

**Model: TB0587A**  
**Rev No: 1**

**A. MAXIMUM RATING:**

1. Input Power Level: 10dBm
2. Operating Temperature: -40°C ~ 85°C
3. Storage Temperature: -40°C ~ +85°C

**B. CHARACTERISTICS:**

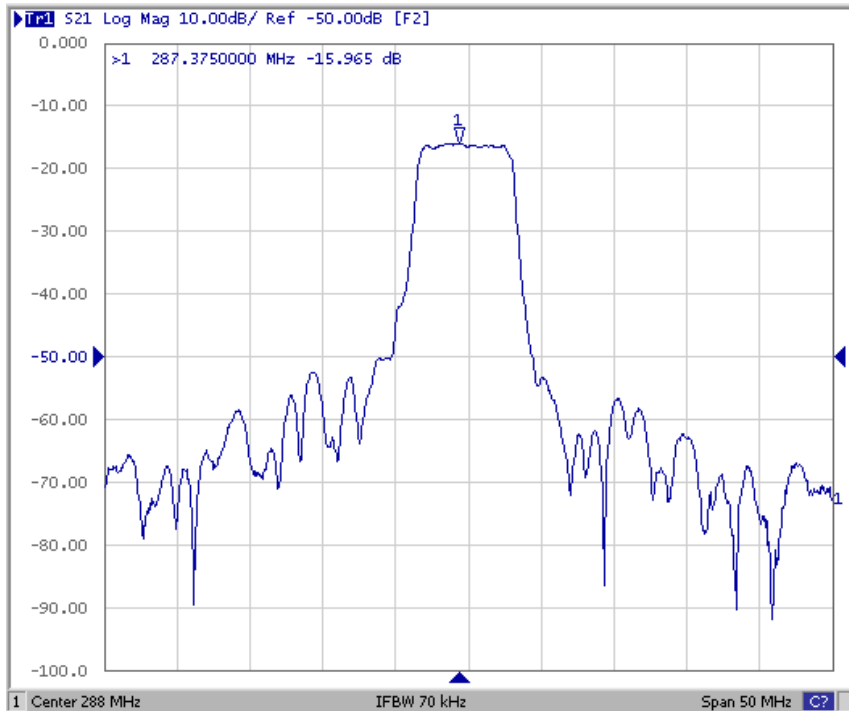
Characteristics	Value			Wanted
	Min.	Typ.	Max.	
Center frequency Fc MHz	-	288	-	-
Minimum Insertion loss IL dB	-	15.8	17.0	-
1.5dB Bandwidth MHz	5.6	6.23	-	-
Amplitude Ripple (Fc ± 2.5MHz) dB	-	0.8	1.2	-
Group-delay Ripple (Fc ± 2.8MHz) nsec	-	140	200	-
Average-delay (Fc ± 2.8MHz) usec		0.55		
Input Output Return Loss at Fc dB	9	11		
Temp Coefficient ppm / °C <sup>2</sup>		0.032		
Attenuation (Reference level from Min. insertion loss)				
Fc ± 4.30MHz dB	18	23	-	
Fc ± 7.10MHz dB	38	42	-	
Fc ± 9.30MHz dB	43	48	-	
Fc ± 18.6MHz dB	45	55	-	

**SAW Filter 288.0MHz**  
**Part No: MP03533**

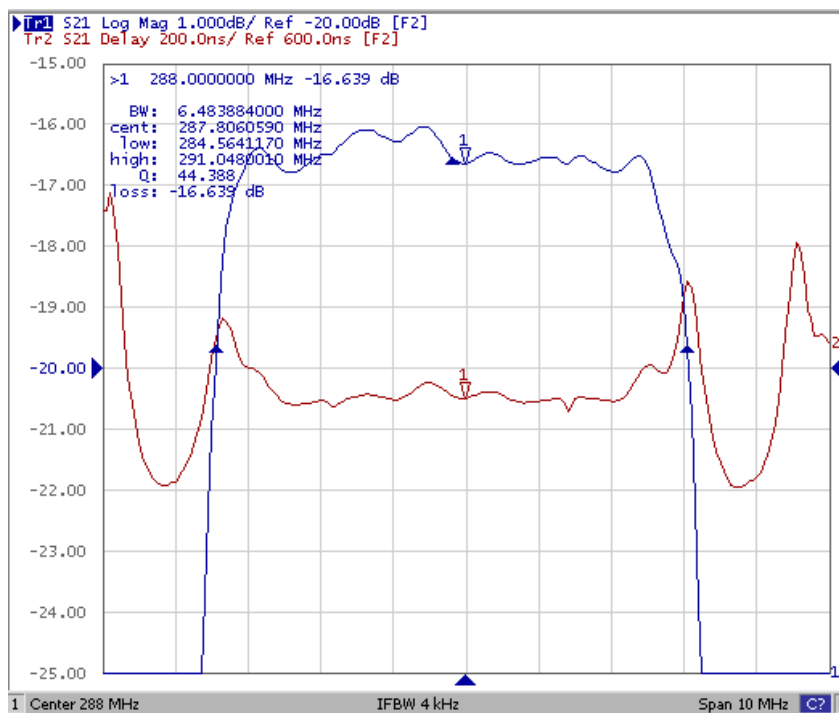
**Model: TB0587A**  
**Rev No: 1**

**C. FREQUENCY CHARACTERISTICS:**

1. S21 Response (span 50MHz)



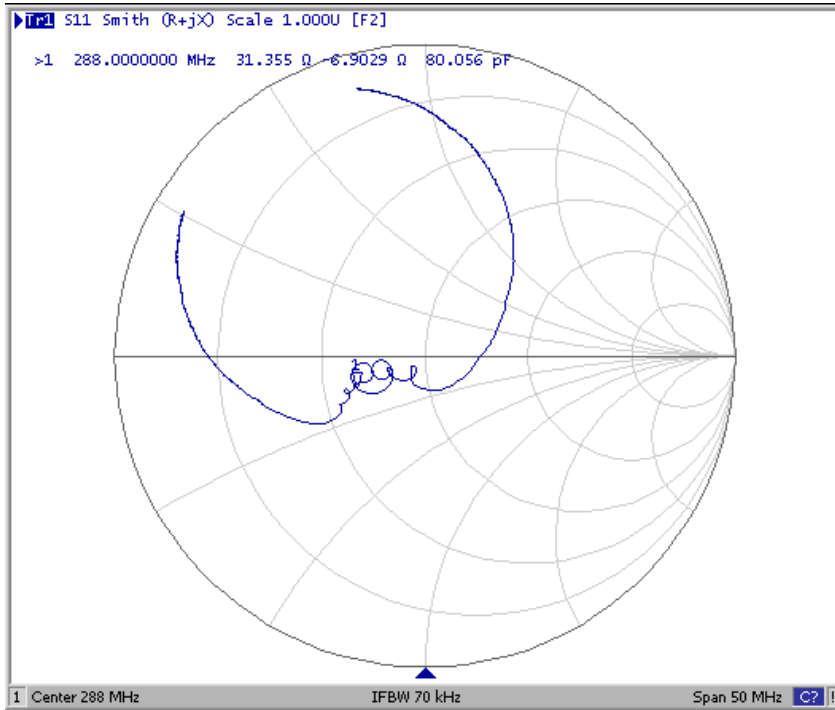
2. Passband Response (span 10MHz)



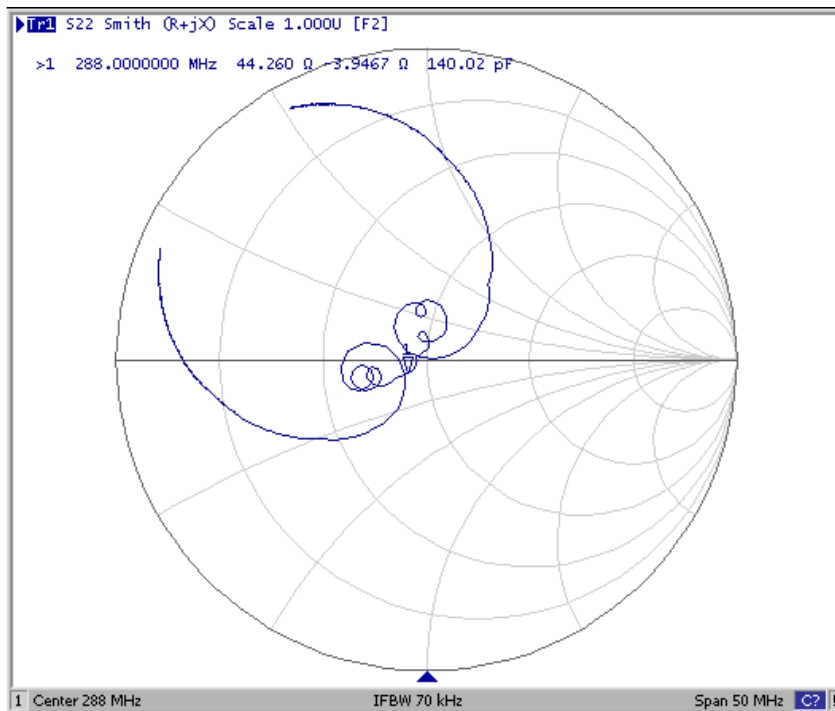
**SAW Filter 288.0MHz**  
**Part No: MP03533**

**Model: TB0587A**  
**Rev No: 1**

3. S11 Smith-Chart (span 50MHz)



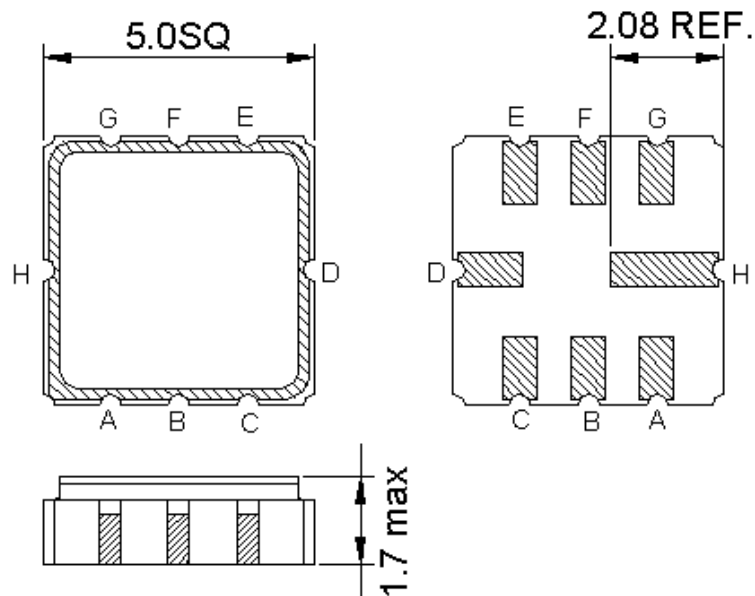
4. S22 Smith-Chart (span 50MHz)



**SAW Filter 288.0MHz**  
**Part No: MP03533**

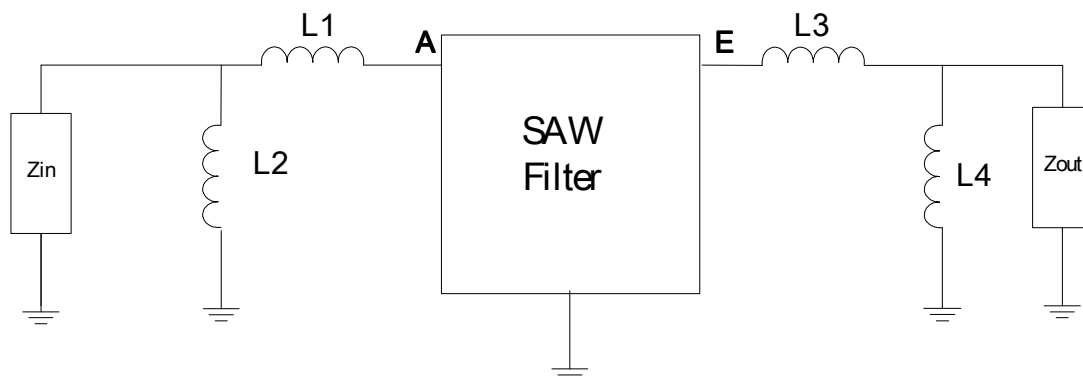
**Model: TB0587A**  
**Rev No: 1**

**D. OUTLINE DRAWING:**



- A: RF input
  - E: RF output
  - H, D: Case Ground
  - B, C, G, F: Ground
- Unit: mm

**E. MATCHING CIRCUIT:**



Z<sub>IN</sub> and Z<sub>OUT</sub> are 50Ω

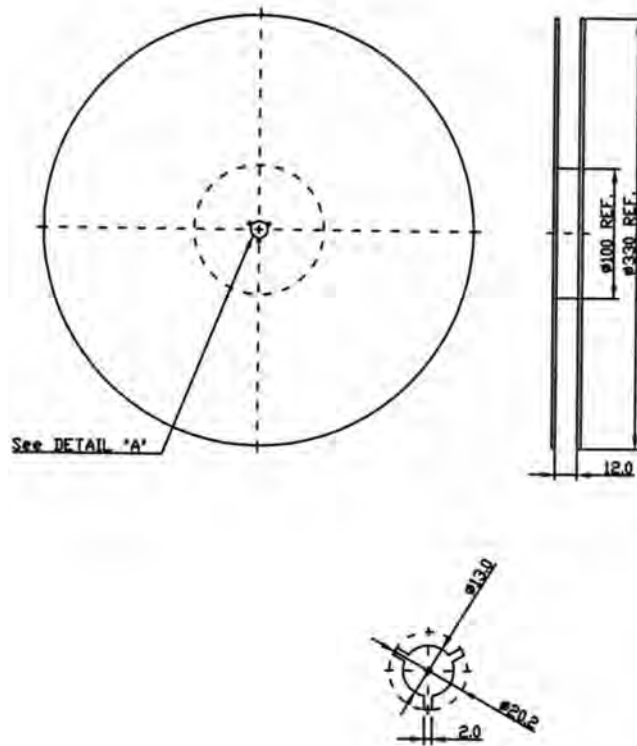
L1 = 47nH, L2 = 8.2nH, L3 = 45nH, L4 = 8.2nH

**SAW Filter 288.0MHz**  
**Part No: MP03533**

**Model: TB0587A**  
**Rev No: 1**

**F. PACKING:**

**1. REEL DIMENSION**



**2. TAPE DIMENSION**

