

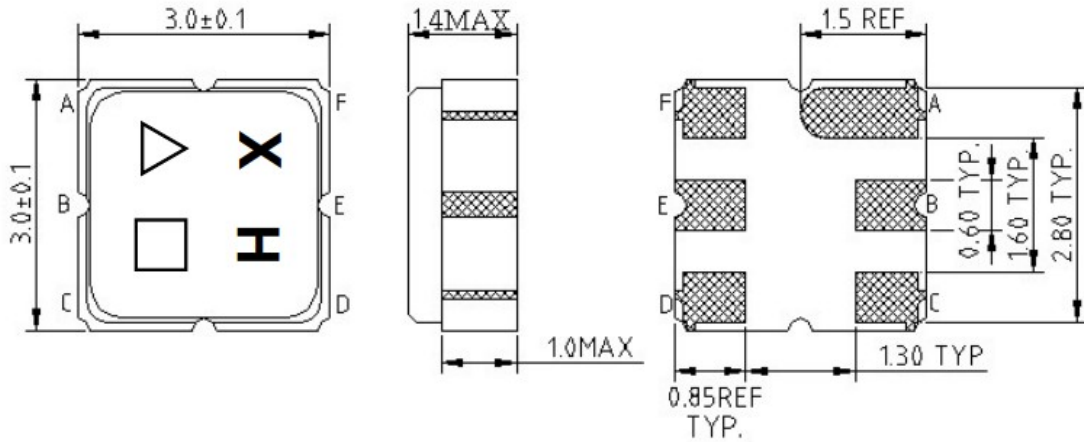
# **PRODUCT SPECIFICATION FOR INFORMATION**

FINAL SPECIFICATION

**Product Name: SAW Filter**

**Part No: HD34486**

■ Mechanical Drawing



B INPUT  
 E OUTPUT  
 A,C,D,F GROUND  
 DIMENSION : mm

△ : Year Code  
 □ : Date Code

Note  
 1. Connector: SMD  
 2. Finish: Silver plated

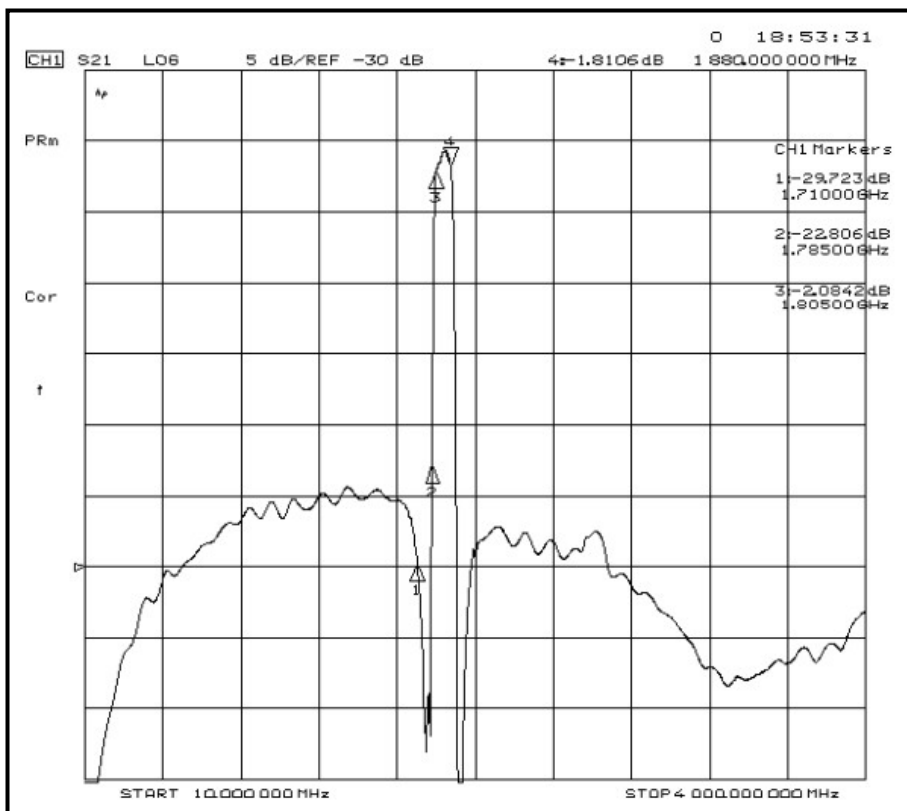
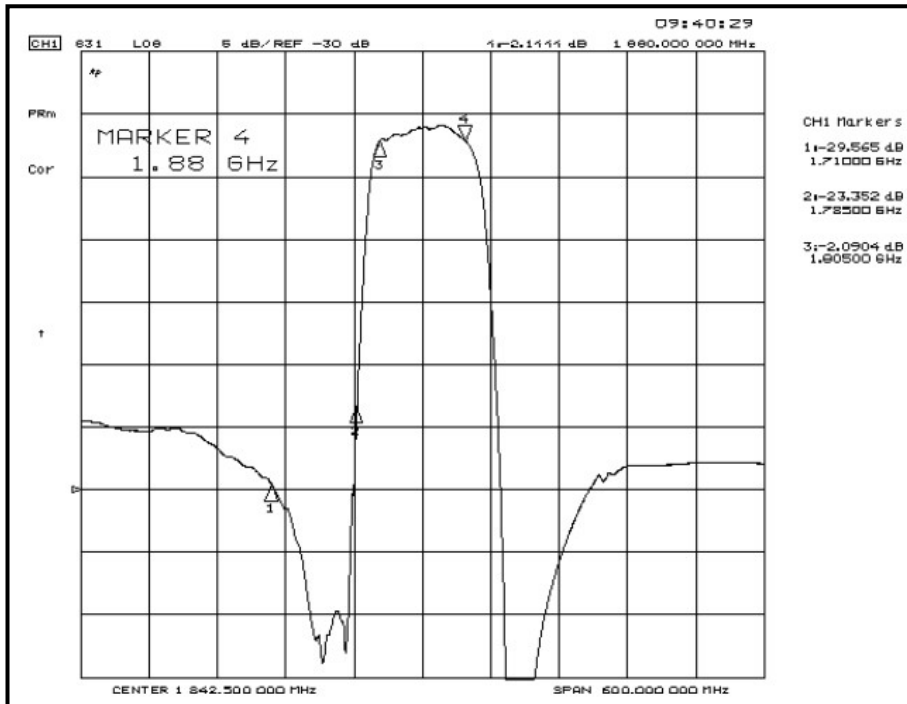
■ Electrical Specification

Parameter	Specification	Remark
1. Center Frequency	1842.5MHz	
2. Bandwidth [BW]	$F_c \pm 37.5\text{MHz}$ [1805~1880MHz]	
3. Insertion Loss in BW	3.8dB Max.	
4. Amplitude Ripple in BW	2.3dB Max.	
5. VSWR in BW	2.1:1 Max.	
6. In/Out Impedance	50Ω	
7. Attenuation [Absolute Value]	20dB Min.@ DC~1500MHz	
	22dB Min.@ 1500~1710MHz	
	10dB Min.@ 1710~1785MHz	
	25dB Min.@ 1920~3120MHz	
	17dB Min.@ 3120~4000MHz	
8. Input Power Level	13dBm	
9. DC Voltage	3V	
10. Operating Temperature	25°C	
11. Storage Temperature	-40°C to +85°C	

Remarks: This is a preliminary datasheet for reference.

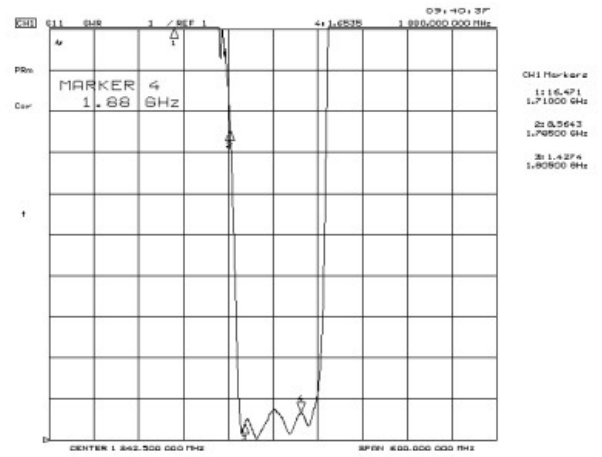
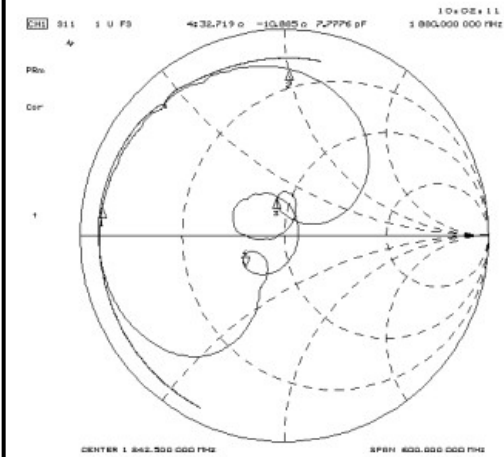
■ Simulation Data

1) Transfer Functions

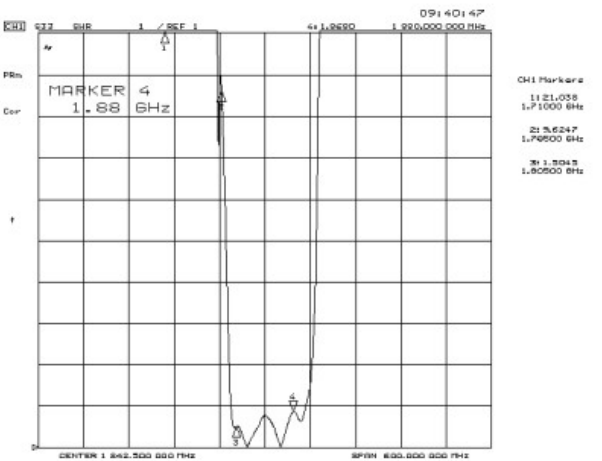
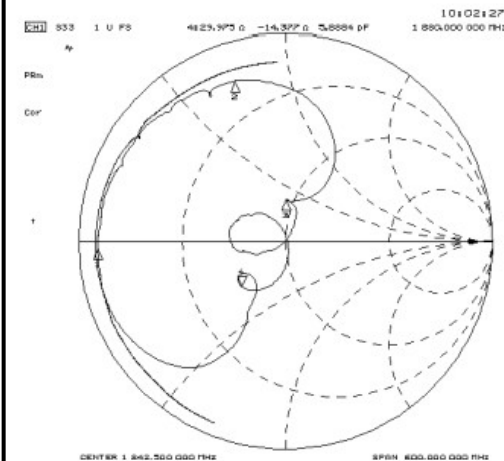


## 2) Reflections Functions

### S11

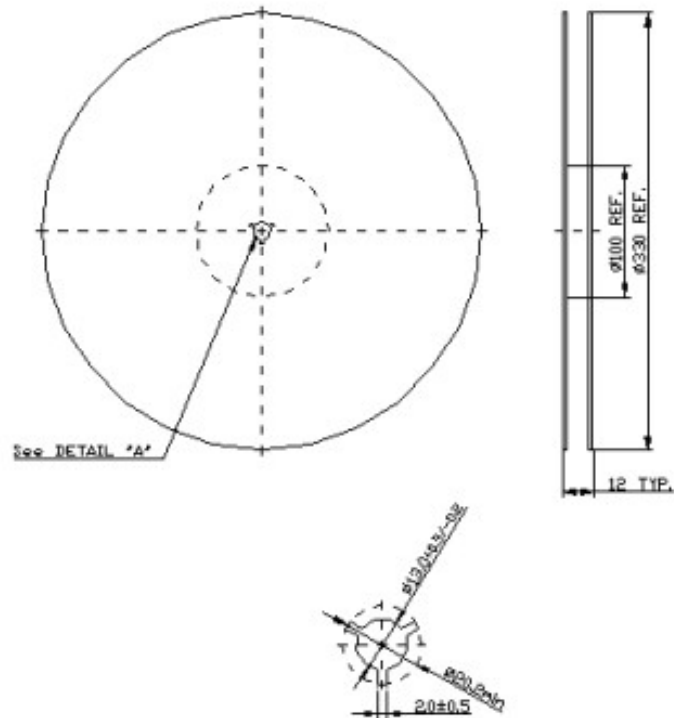


### S22

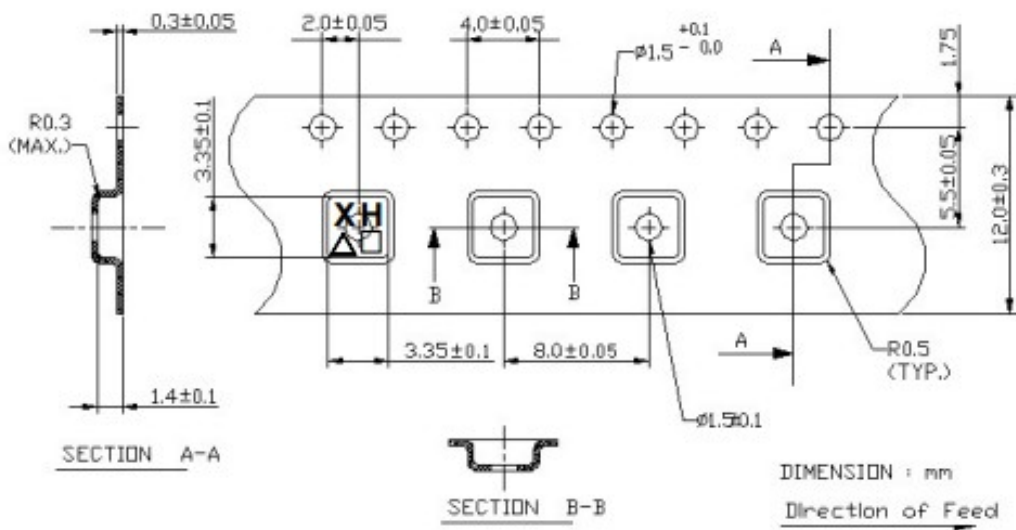


■ Packing

1. REEL DIMENSION



2. TAPE DIMENSION



■ Recommended PCB Board Pattern

