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Eaglewood Park, ILMINSTER
Somerset, TA19 9DQ, UK

SAW Filter 1191.80MHz **Model: TA1686A**

Part No: MP06273 **Rev No: 1**

A. MAXIMUM RATING:

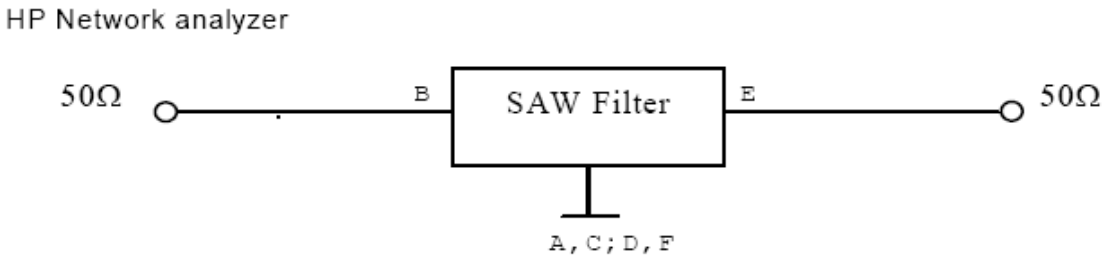
Electrostatic **S**ensitive **D**evice **(ESD)**

1. Input Power Level: 10dBm
2. DC voltage: 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

B. CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	1200	-
Insertion loss (1160 ~ 1240MHz) IL	dB	-	5.1	7
Pass Band Ripple (1160 ~ 1240MHz)	dB	-	2.4	4.2
Group Delay Variation (1160 ~ 1240MHz)	ns	-	12	35
Return loss (1160 ~ 1240MHz)	dB	6	6.5	-
Attenuation (Reference level from 0dB)				
300 ~ 1120MHz	dB	22	32	-
1293 ~ 2000MHz	dB	22	35	-
Temperature Coefficient of Frequency	ppm/°C	-	-80	-

C. MEASUREMENT CIRCUIT:

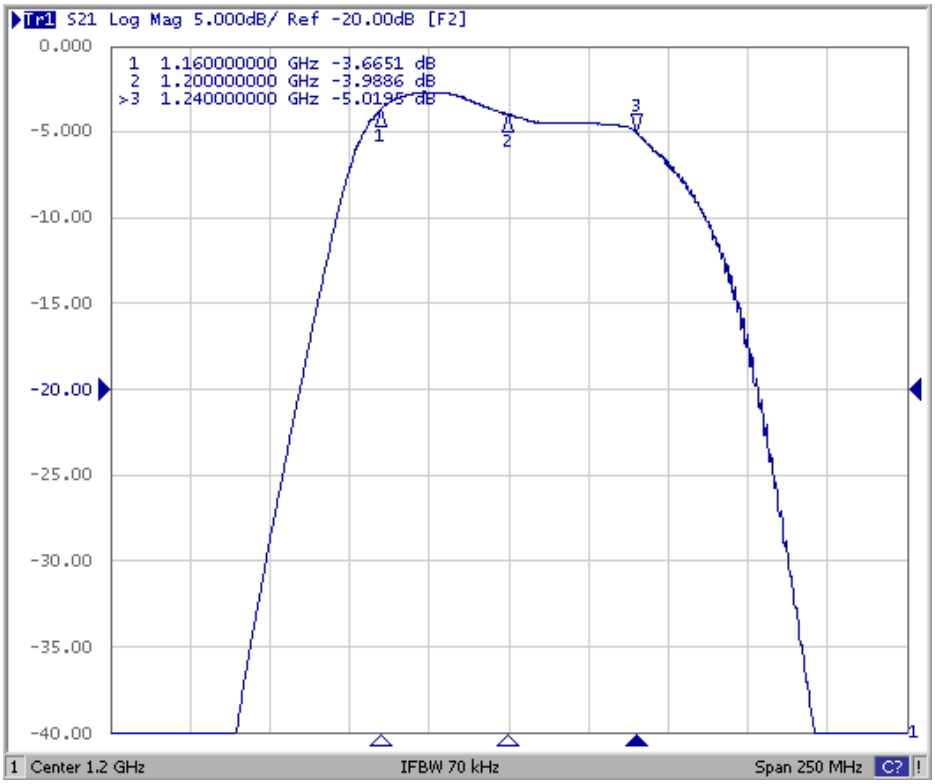


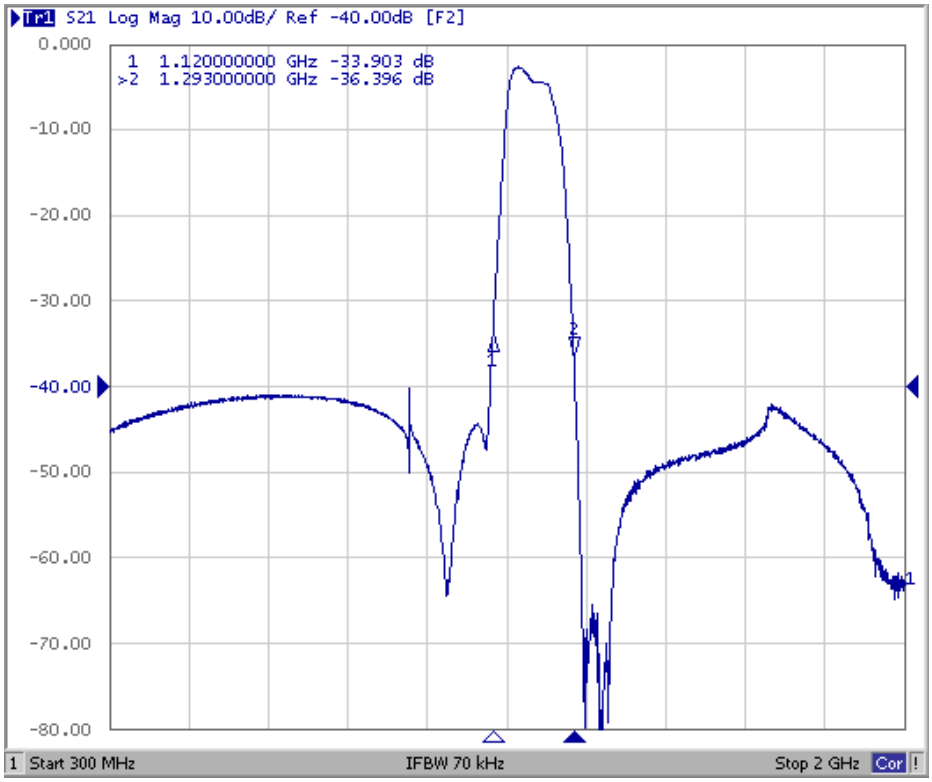
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D. FREQUENCY CHARACTERISTICS:

1. Transfer Function



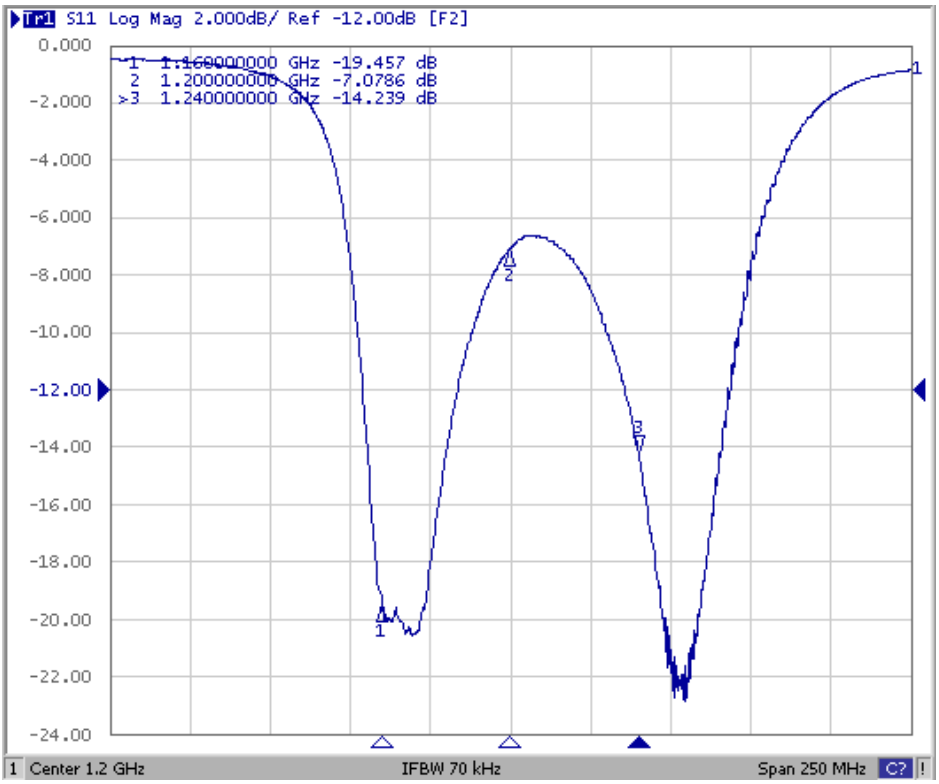


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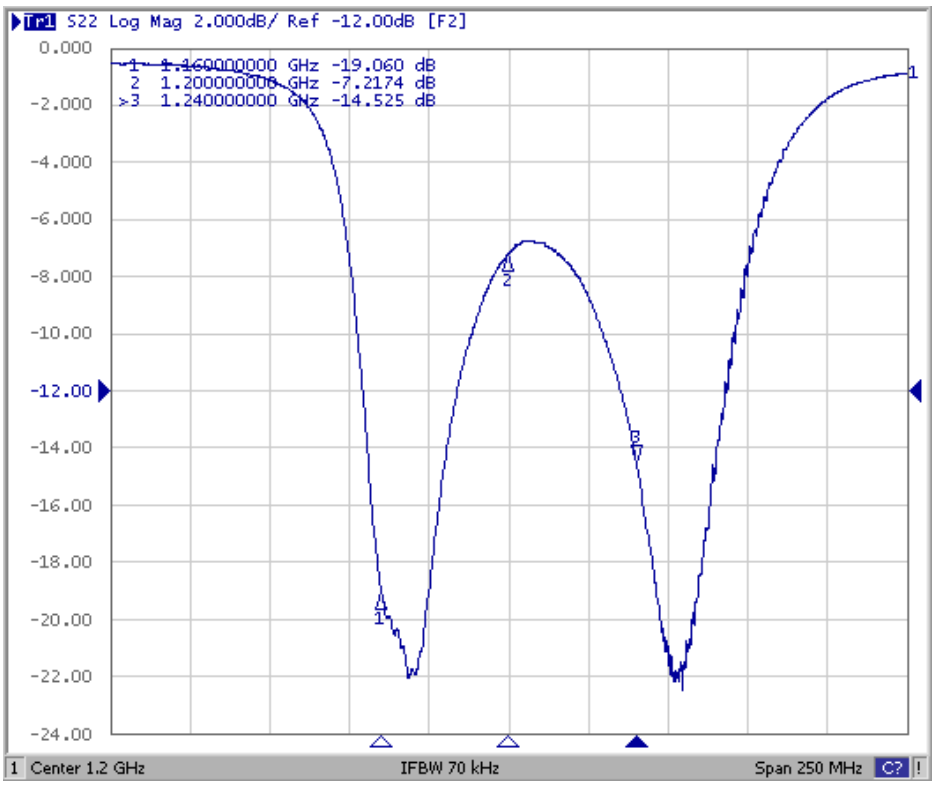
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2. Reflection Functions

S11



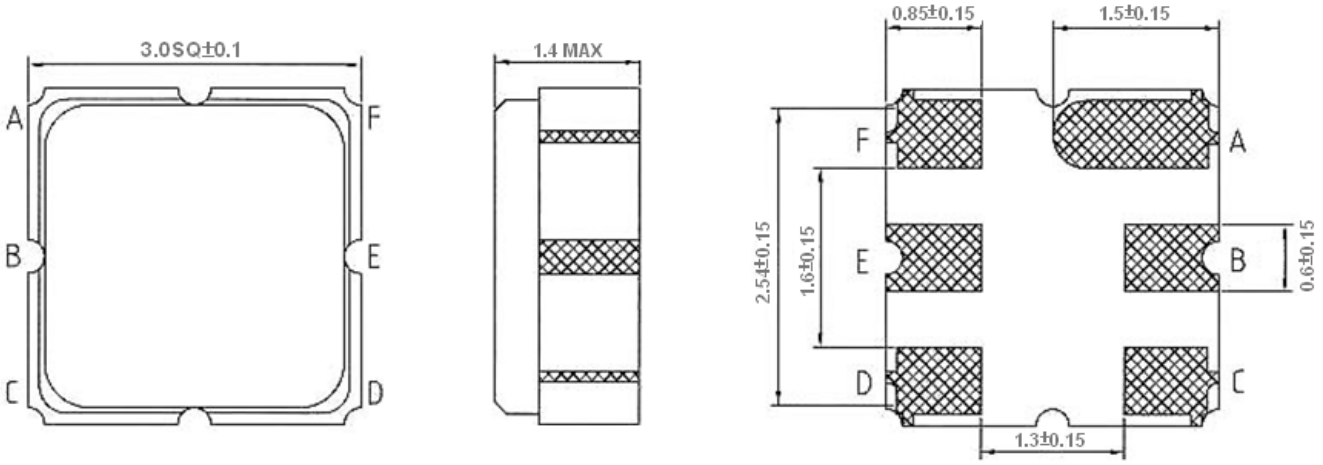
S22



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E. OUTLINE DRAWING:



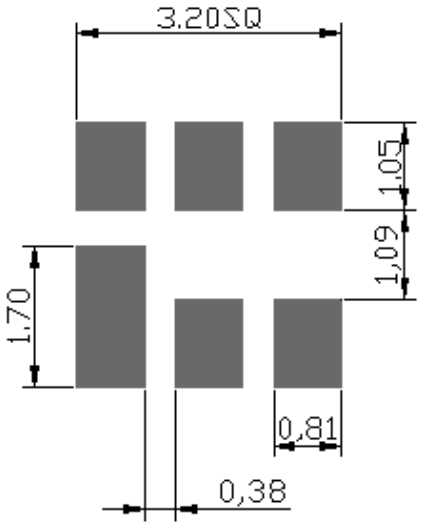
B: Input

E: Output

A, C, D, F: Ground

Unit: mm

F. PCB FOOTPRINT:

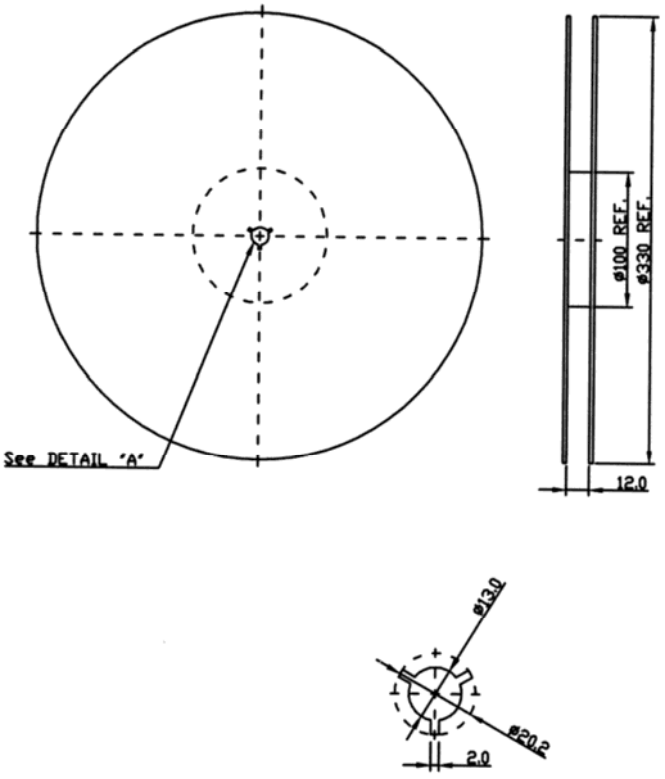


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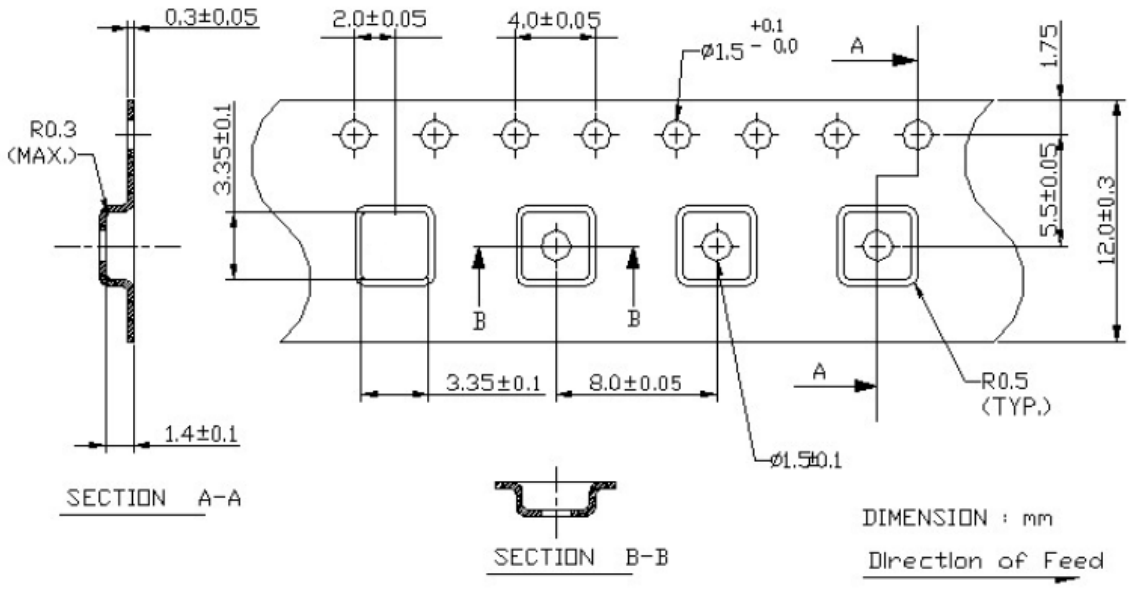
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G. PACKING:

1. Reel Dimension (Please refer to FR-75D10 for packing quantity)



2. Tape Dimension



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H. RECOMMENDED REFLOW PROFILE:

