

**SAW Filter 742.50MHz**

**Model: TA1915A**

**Part No: MP07286**

**Rev No: 1**

**A. MAXIMUM RATING:**

**Electrostatic Sensitive Device (ESD)**

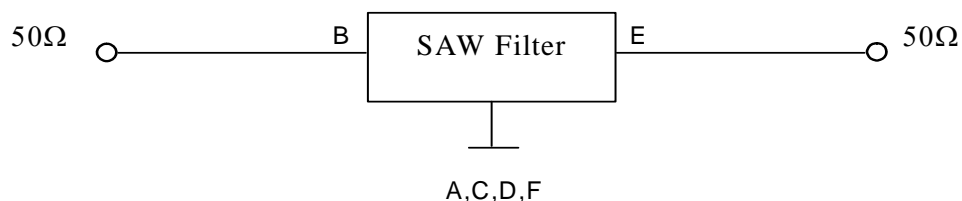
1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C

**B. ELECTRICAL CHARACTERISTICS:**

Item	Unit	Min.	Typ.	Max.
Center Frequency Fc	MHz	-	742.5	-
Insertion loss (727 ~ 758MHz) IL	dB	-	2.4	4
Bandwidth @ -2.5dB	MHz	31	38	-
Amplitude Ripple (less than 2.0dB in any 11MHz portion of the specified band)	dB	-	0.8	2.5
Attenuation (Reference level from 0dB)				
300 ~ 650MHz	dB	28	56	-
698 ~ 716MHz	dB	10	30	-
776 ~ 787MHz	dB	10	30	-
840 ~ 1050MHz	dB	28	52	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-

**C. MEASUREMENT CIRCUIT:**

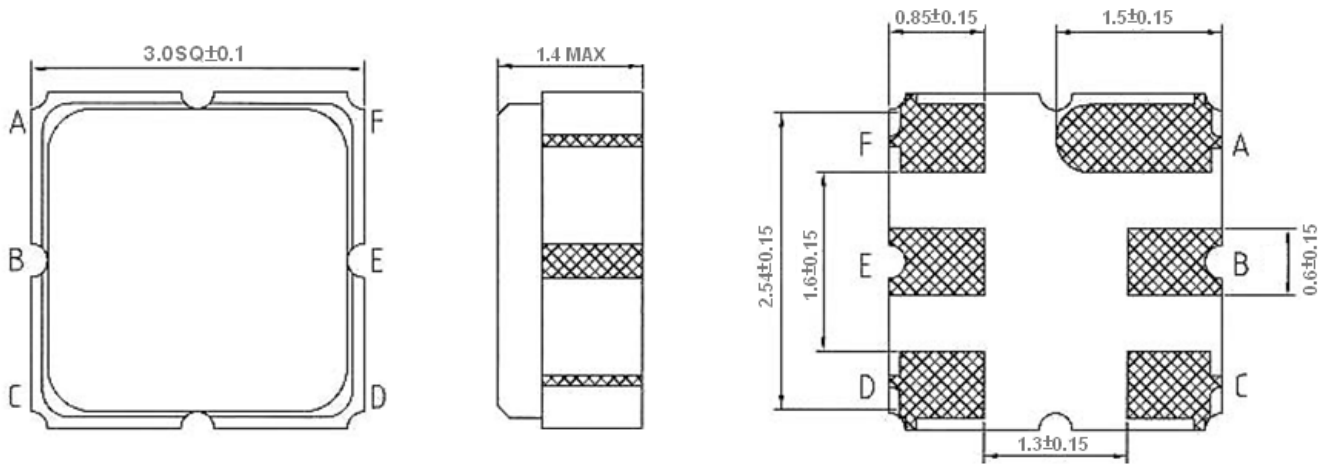
HP Network analyzer



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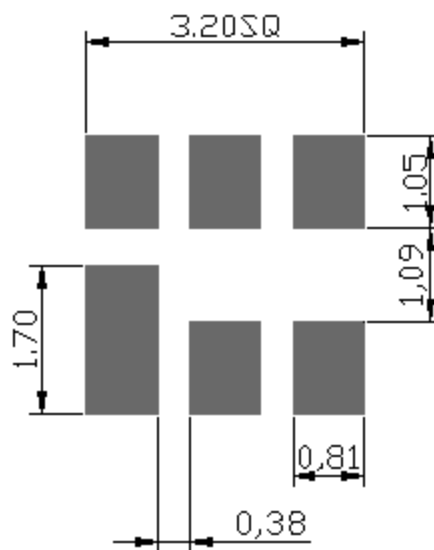
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**D. OUTLINE DRAWING:**



B: Input  
E: Output  
A, C, D, F: Ground  
Unit: mm

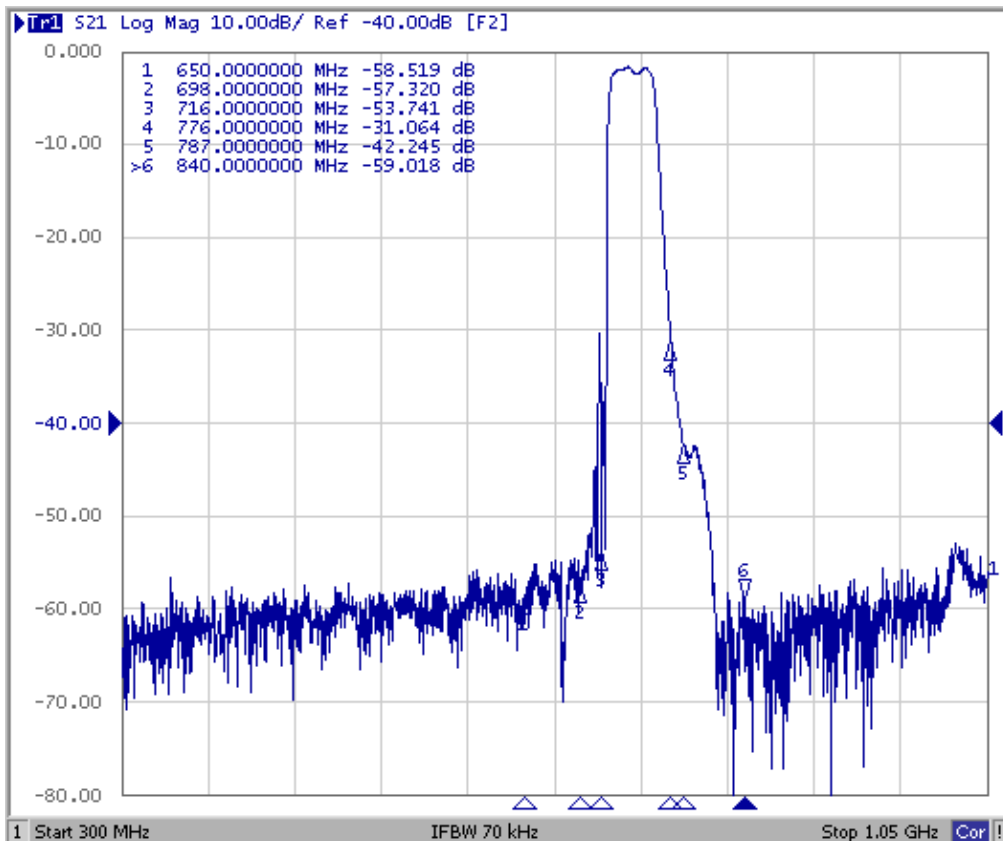
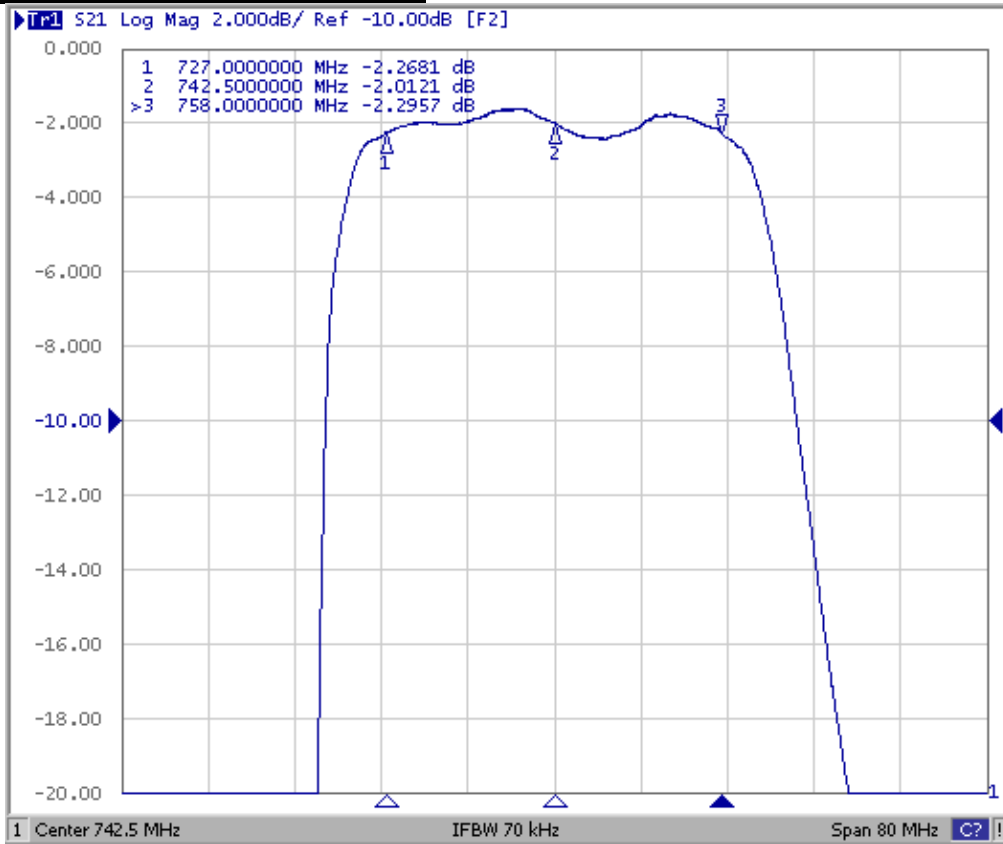
**E. PCB FOOTPRINT:**



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**F. FREQUENCY CHARACTERISTICS:**





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**H. RECOMMENDED REFLOW PROFILE:**

1. Preheating shall be fixed at 150 ~ 180°C for 60 ~ 90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50 ~ 80 seconds and at 260°C +0/-5°C peak (20 ~ 40 sec).
4. Time: 2 times.

