

SAW Filter 1748.0MHz
Part No: MP04819

Model: TA1482A
Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

1. Input Power Level: 10 dBm
2. DC voltage: 3V
3. Operating Temperature: -40°C to 85°C
4. Storage Temperature: -50°C to +125°C

B. CHARACTERISTICS:

1. Terminating source impedance (differential): $Z_S = 150\Omega // 22nH$
2. Terminating load impedance (differential): $Z_L = 150\Omega // 22nH$

Item	Unit	Min.	Typ.	Max.
Center frequency F_c	MHz	-	1748	-
Insertion loss (1728 ~ 1768MHz) IL	dB	-	3.1	5
Amplitude ripple (1728 ~ 1768MHz)	dB	-	1.2	2
VSWR (1728 ~ 1768MHz)	-	-	1.6	2.5
Group delay ripple (1728 ~ 1768MHz)	ns	-	14	30
Attenuation (reference from 0dB)				
10 ~ 862MHz	dB	50	55	-
862 ~ 1655.5MHz	dB	42	49	-
1840.5 ~ 1956.3MHz	dB	33	54	-
1956.3 ~ 2500MHz	dB	42	48	-
2500 ~ 3500MHz	dB	30	39	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-

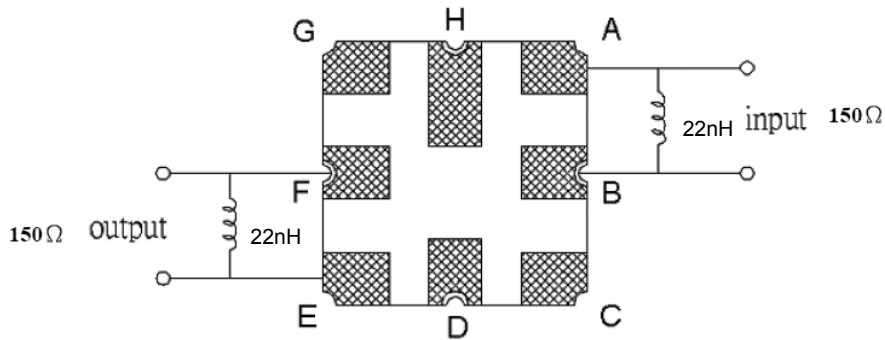
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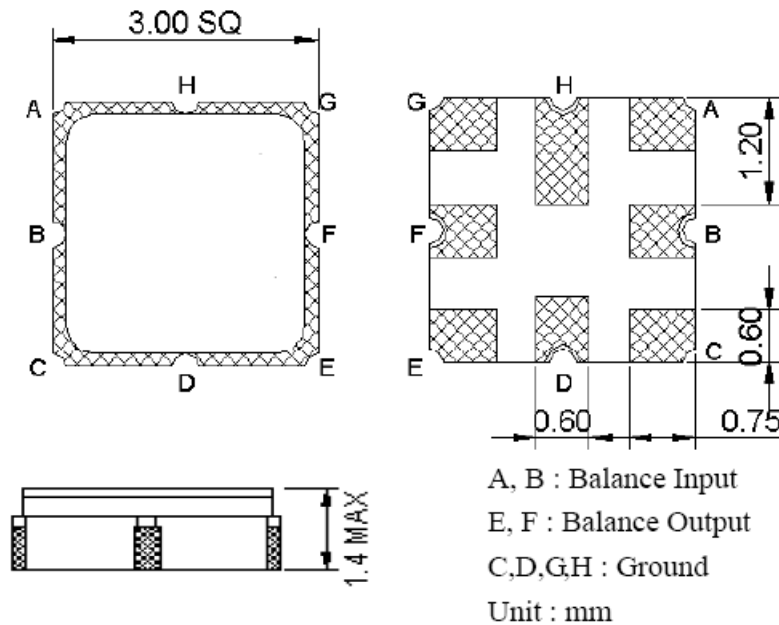
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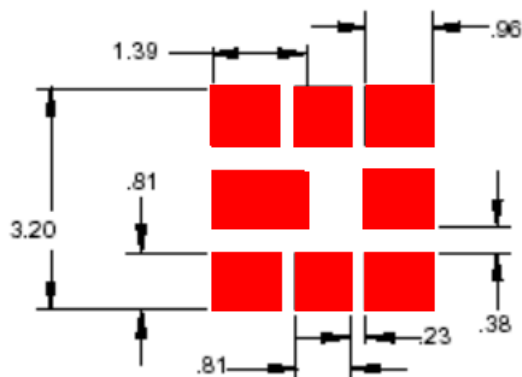
C. MEASUREMENT CIRCUIT:



D. OUTLINE DRAWING:



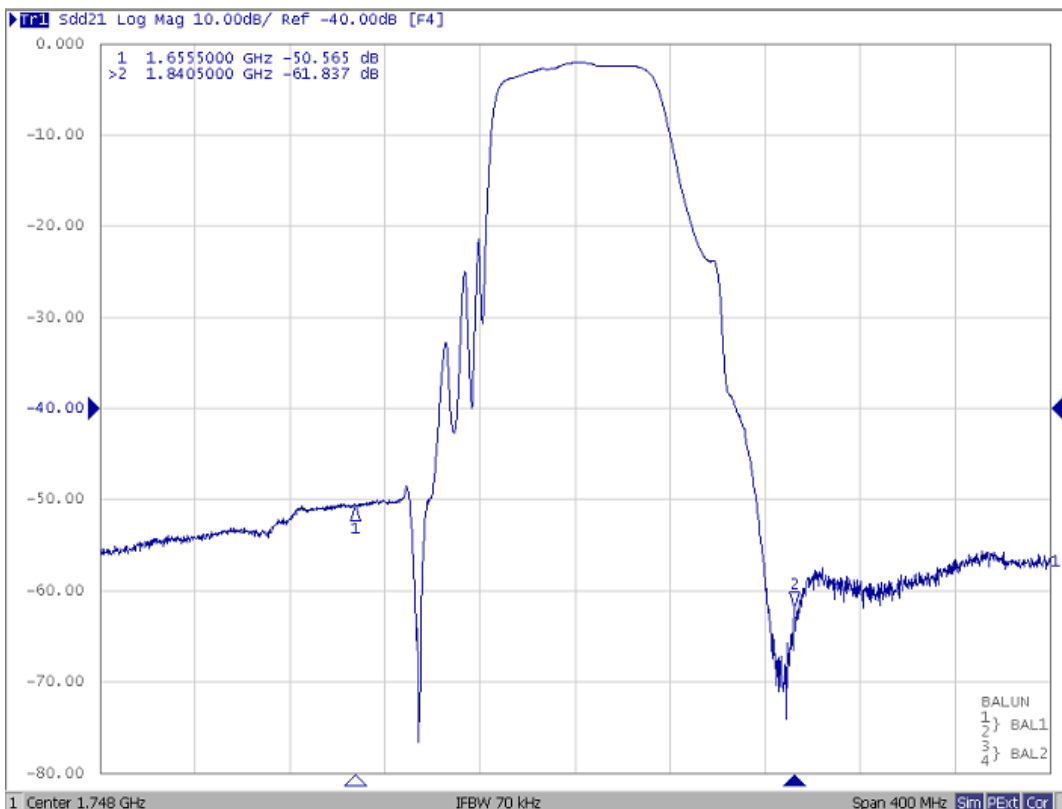
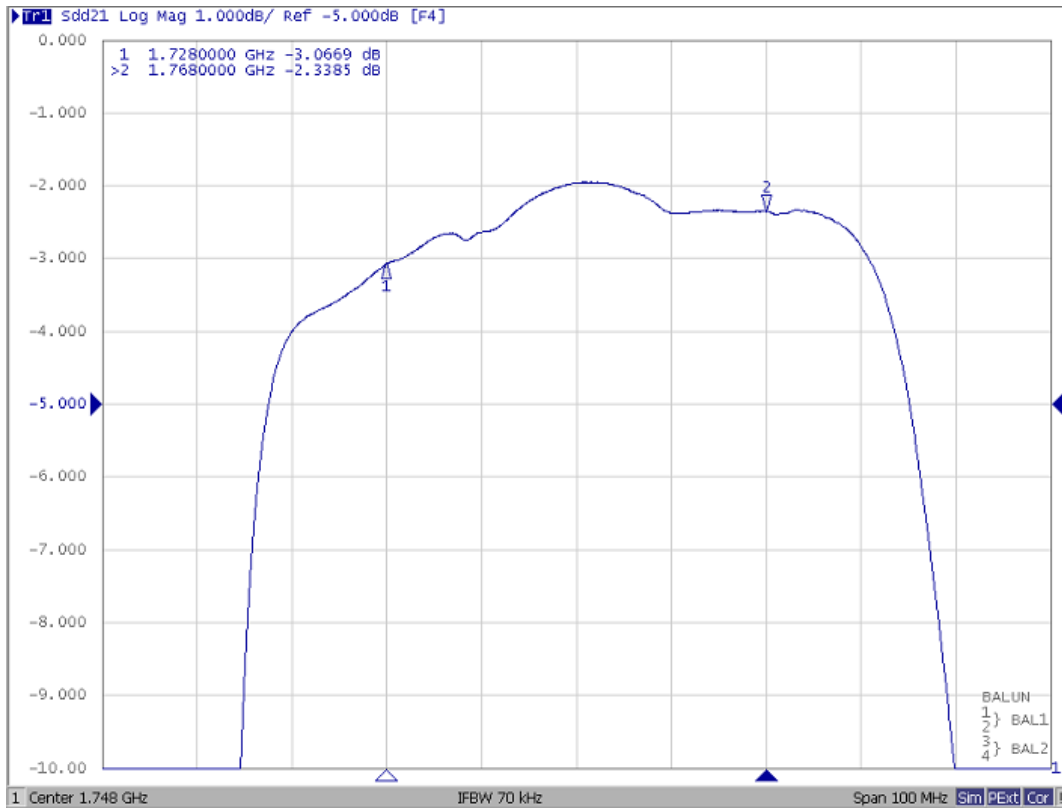
E. PCB FOOTPRINT:



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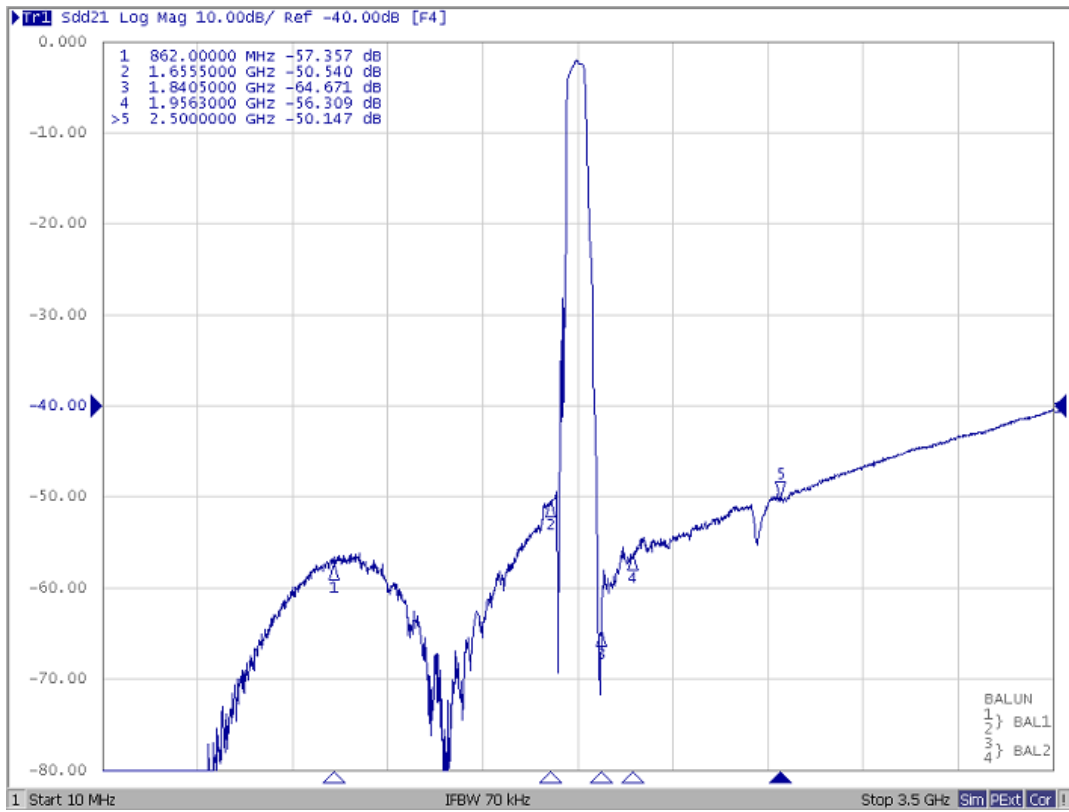
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F. FREQUENCY CHARACTERISTICS:



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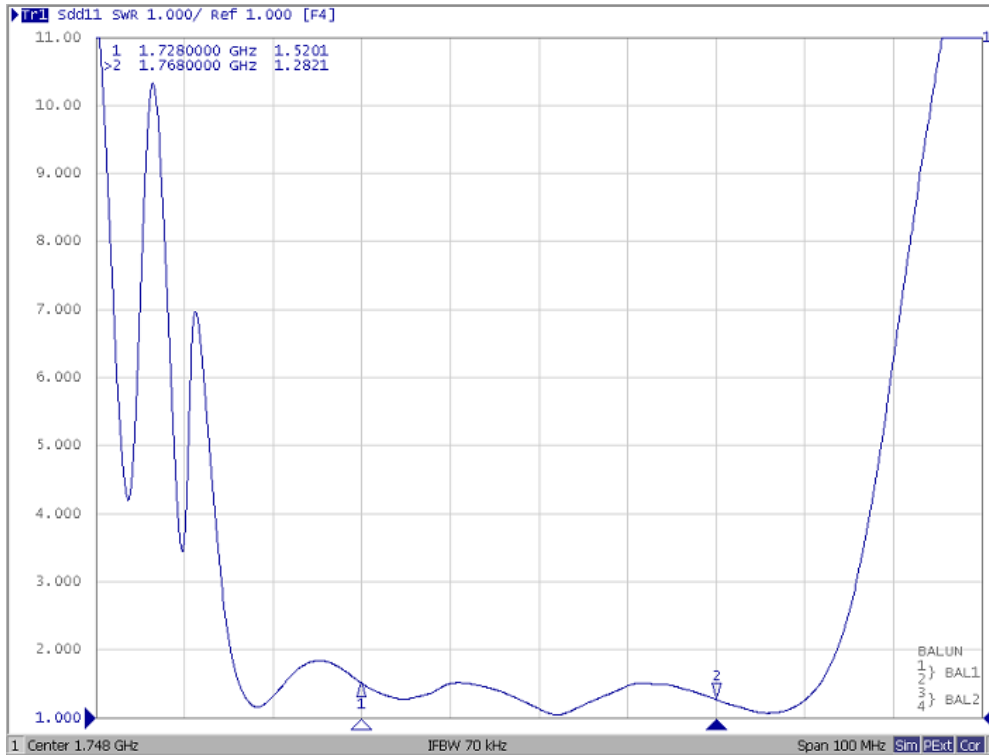


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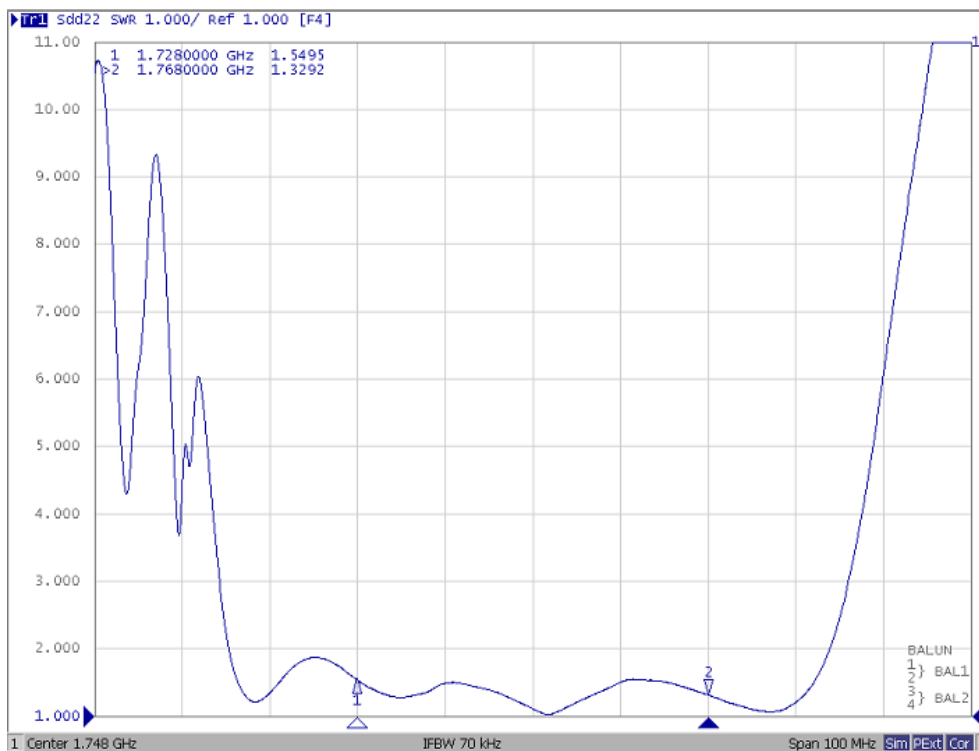
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Reflection Functions:

S11



S22

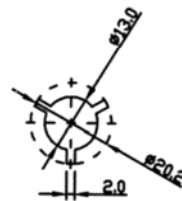
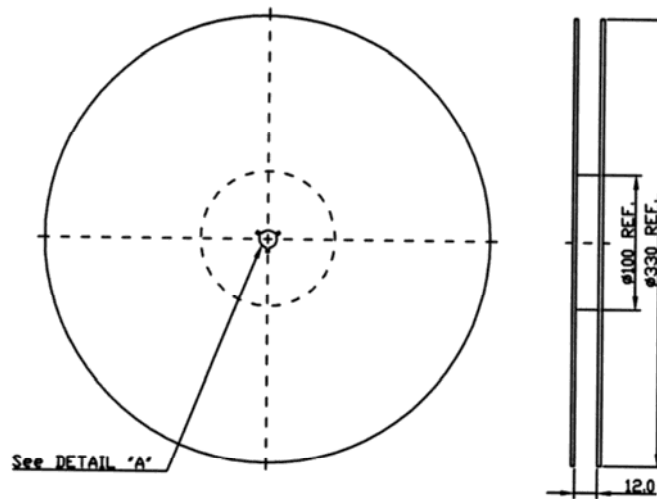


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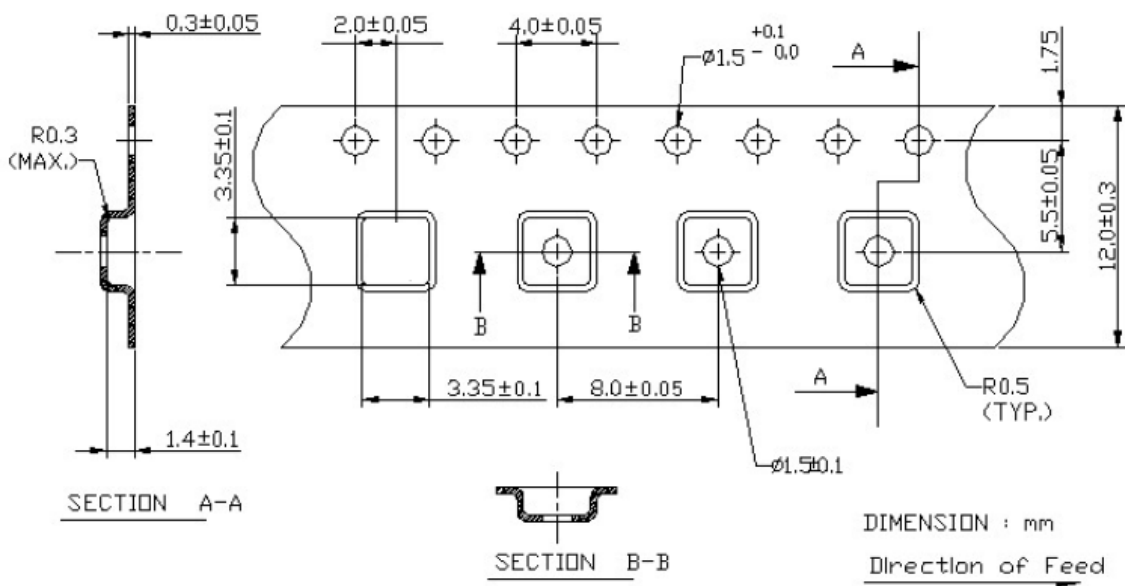
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G. PACKING:

1. Reel Dimension



2. Tape Dimension



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H. RECOMMENDED REFLOW PROFILE:

