

SAW Filter 2492.0MHz
Part No: MP07467

Model: TA1982A
Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (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

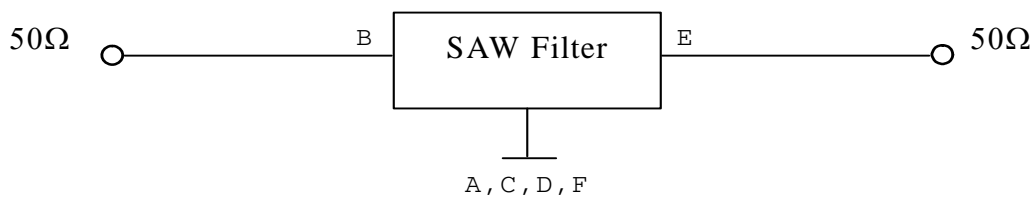
B. ELECTRICAL CHARACTERISTICS:

1. Terminating source impedance (single): $Z_S = 50\Omega$
2. Terminating load impedance (single): $Z_L = 50\Omega$

Item	Unit	Min.	Typ.	Max
Center frequency F_c	MHz	-	2492	-
Insertion Loss (2479.5 ~ 2504.5MHz) IL	dB	-	1.65	2.8
Amplitude ripple (2479.5 ~ 2504.5MHz)	dB	-	0.2	1.6
VSWR (2479.5 ~ 2504.5MHz)	-	-	1.6	2.4
Attenuation (Reference level from 0dB)				
DC ~ 2390MHz	dB	33	40	-
2575 ~ 3000MHz	dB	43	50	-
Temperature coefficient of frequency	ppm/°C	-	-36	-

C. TEST CIRCUIT:

HP Network analyzer

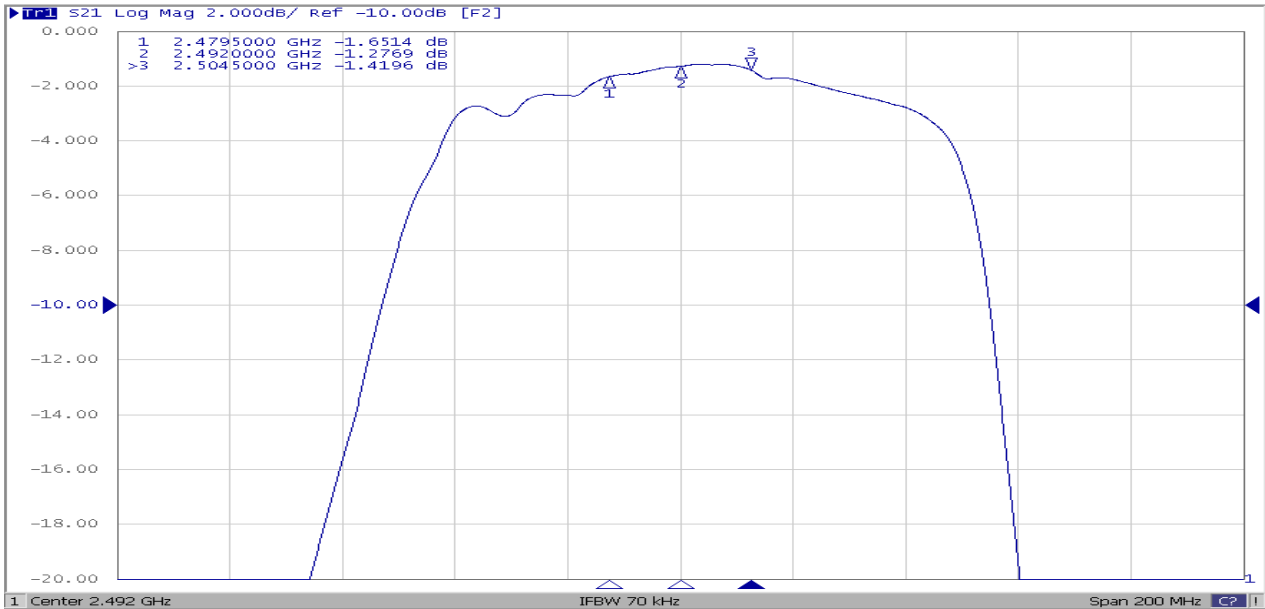


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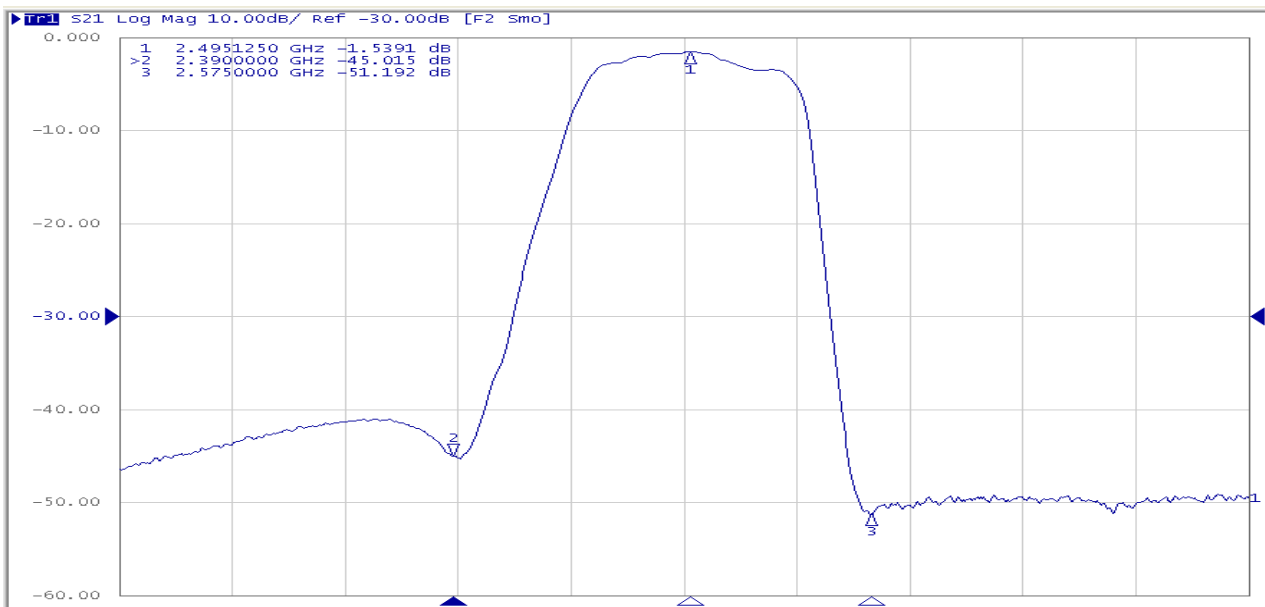
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D. FREQUENCY CHARACTERISTICS:

1. S21 response: Center 2492MHz, Span 200MHz



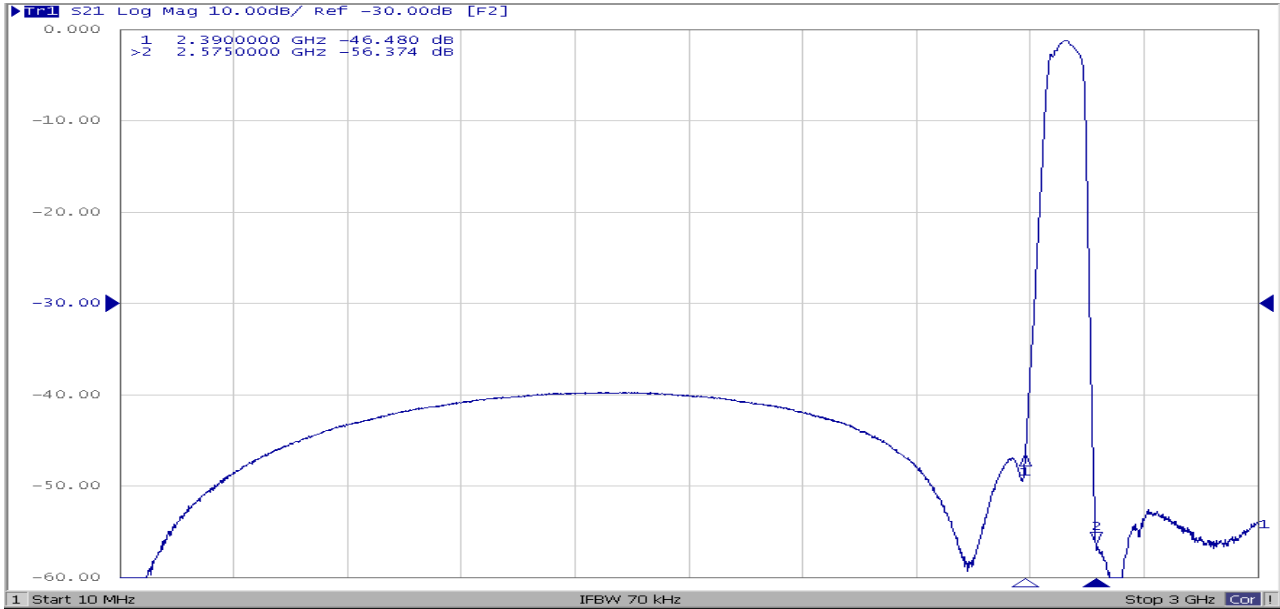
2. S21 responds: Span 500MHz



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3. S21 response: 10MHz ~ 3000MHz

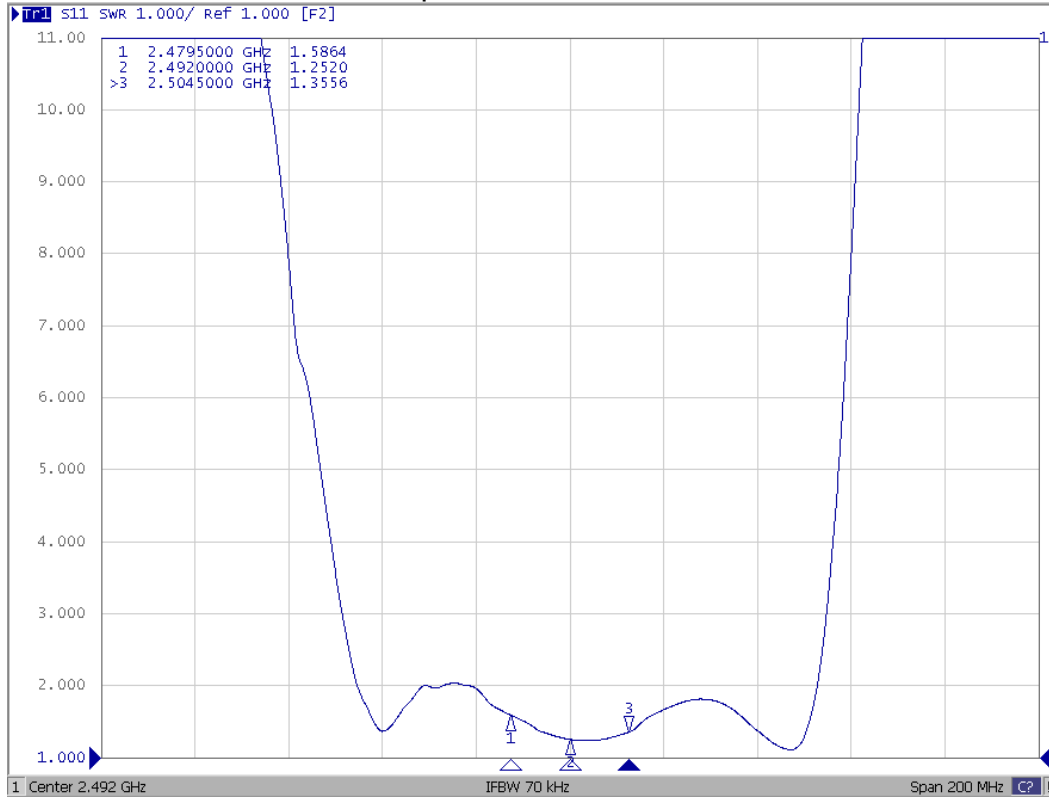


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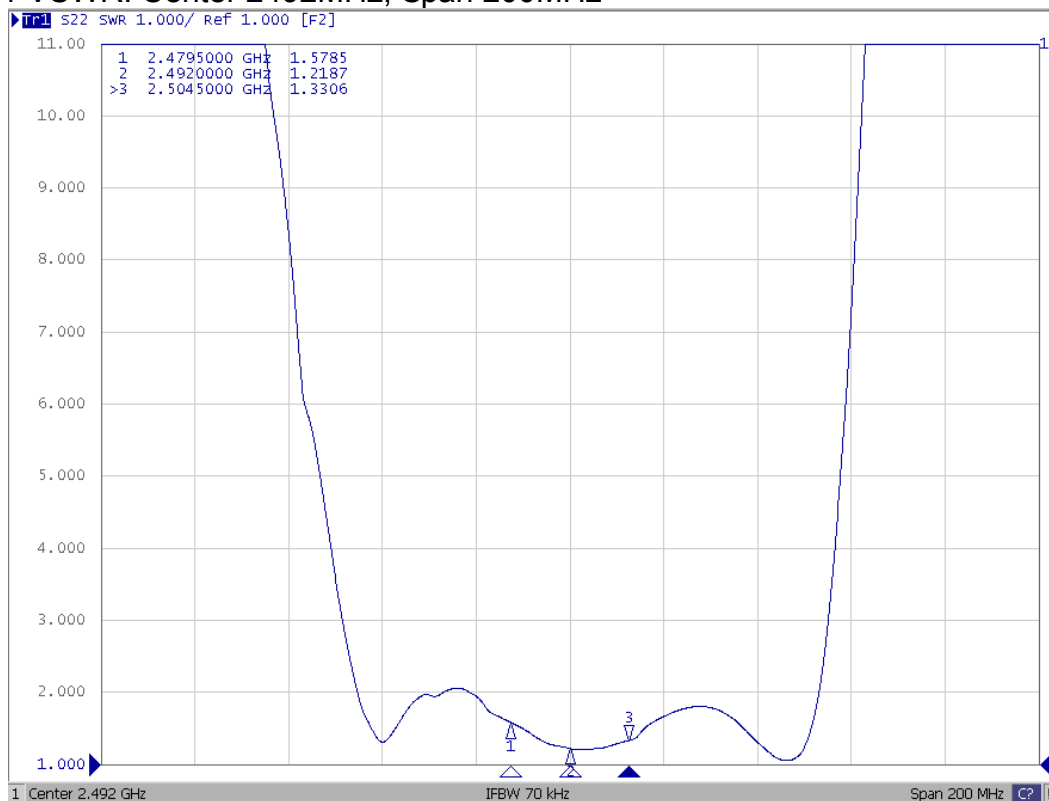
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Reflection Functions

1. S11 VSWR: Center 2492MHz, Span 200MHz



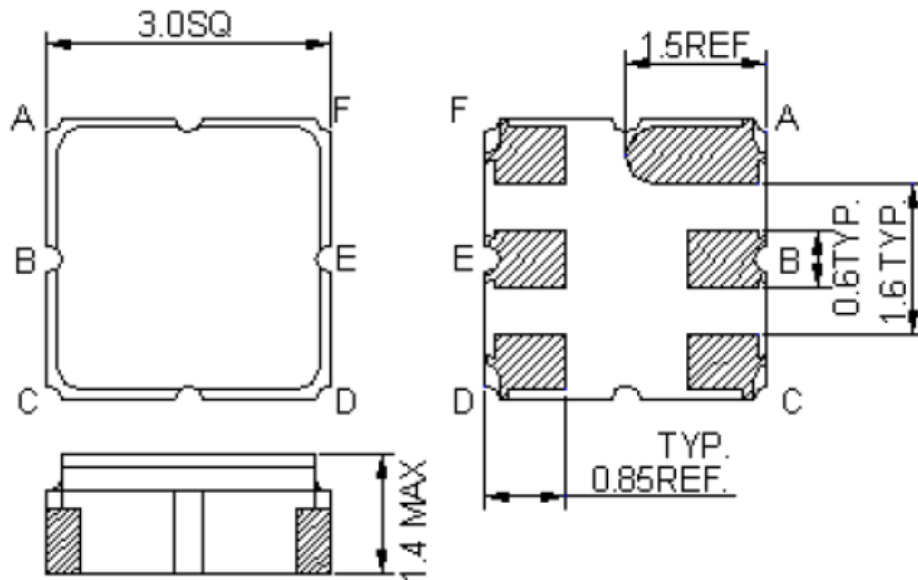
2. S11 VSWR: Center 2492MHz, Span 200MHz



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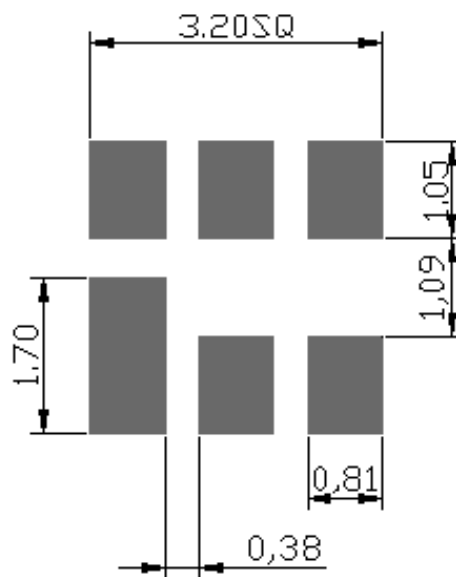
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E. OUTLINE DRAWING:



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

F. PCB FOOTPRINT:

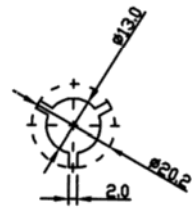
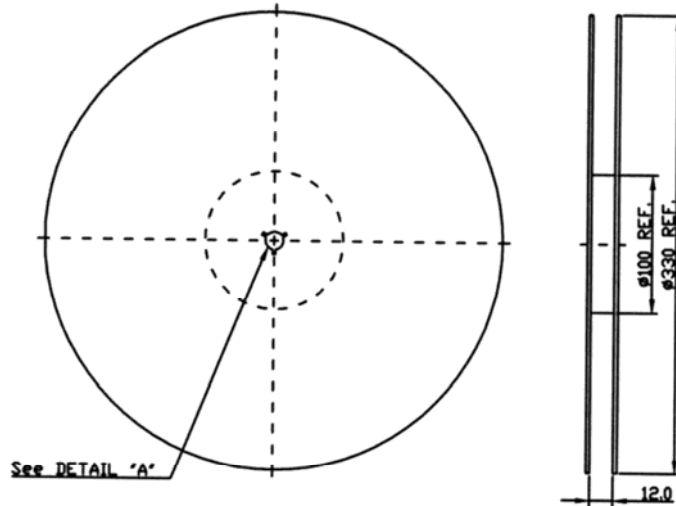


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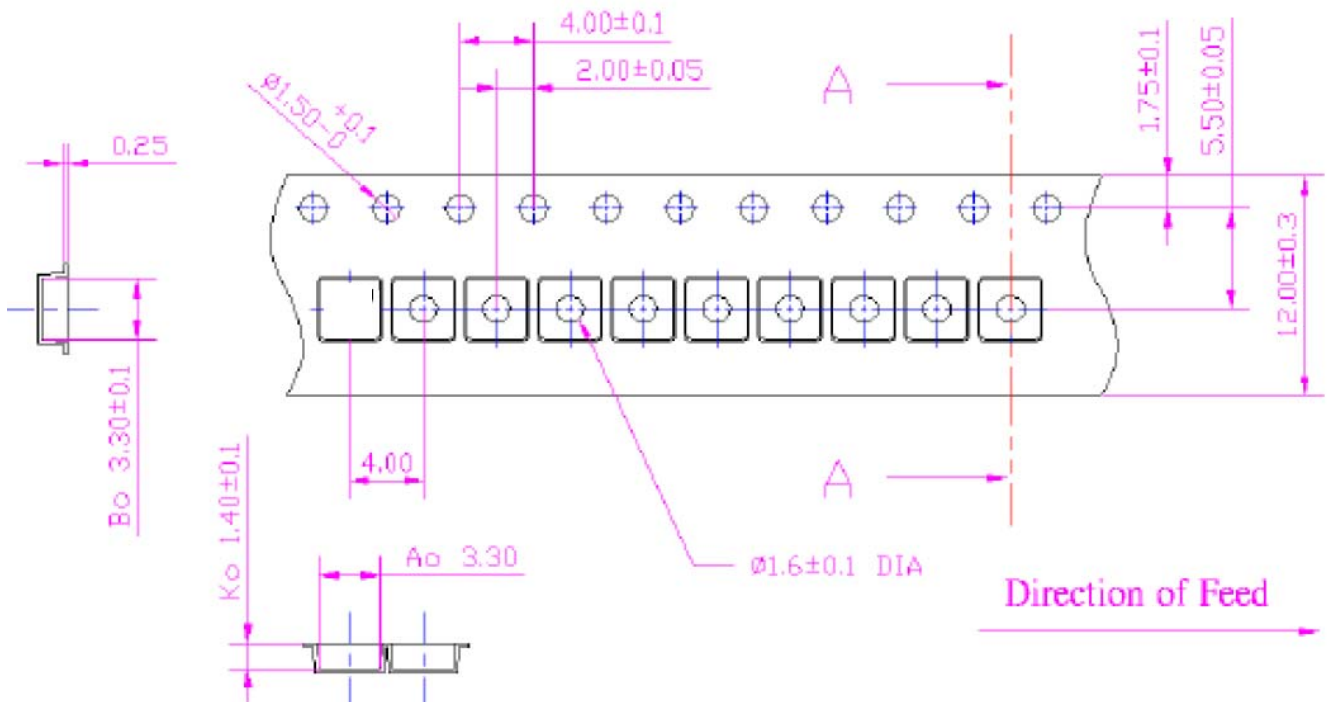
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G. PACKING:

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



2. Tape Dimension



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H. RECOMMENDED REFLOW PROFILE:

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.

