

SAW Filter 616.250MHz
Part No: MP08124

Model: TA1649A
Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

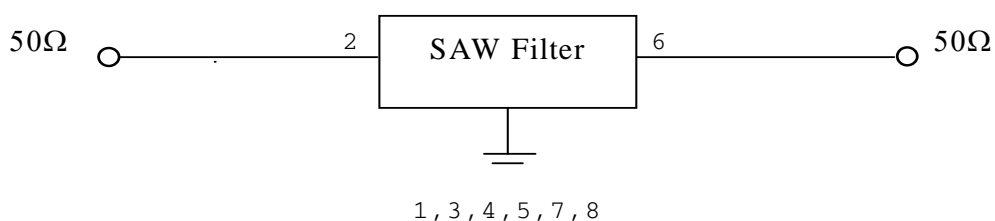
1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: 0°C to +50°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	616.25	-
Insertion Loss at Fc IL	dB	-	2.3	3.5
Amplitude Ripple (615 ~ 617.5MHz)	dB	-	0.3	1.5
2 dB Bandwidth BW2dB	MHz	2.5	8	-
Group Delay Ripple (615 ~ 617.5MHz)	ns	-	30	100
VSWR (615 ~ 617.5MHz)	-	-	1.3	2.0
Attenuation (Reference level from 0dB)				
DC ~ 608MHz	dB	35	45	-
625.5 ~ 900MHz	dB	30	39	-
900 ~ 1300MHz	dB	40	48	-
1300 ~ 2000MHz	dB	20	26	-
Temperature coefficient of frequency	ppm/k	-	-30	-

C. MEASUREMENT CIRCUIT:

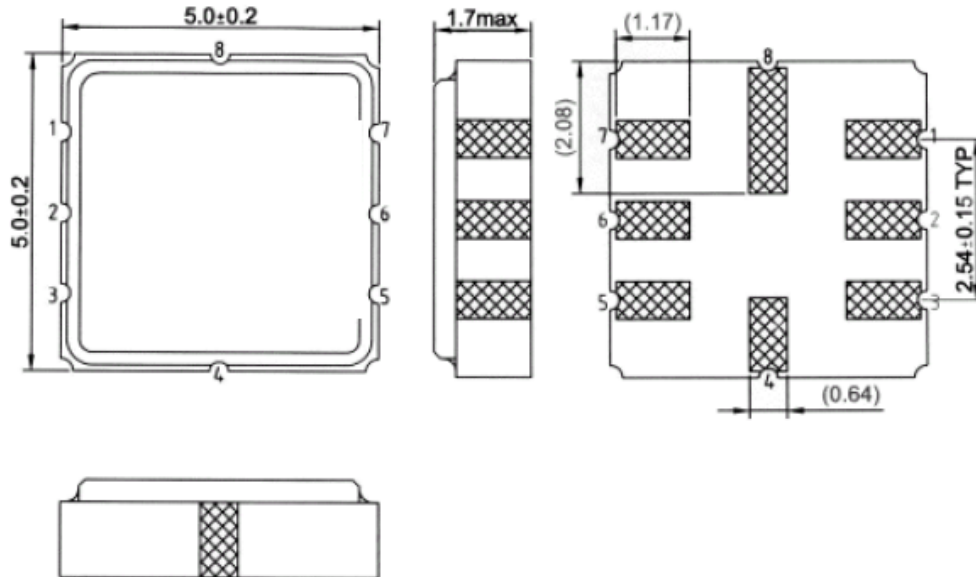
HP Network analyzer



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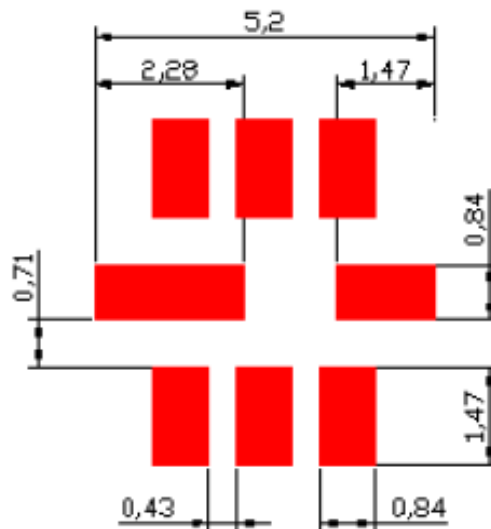
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D. OUTLINE DRAWING:



- #2 : Input
- #6 : Output
- #4 、 8 : Case Ground
- #1 、 3 、 5 、 7 : Ground

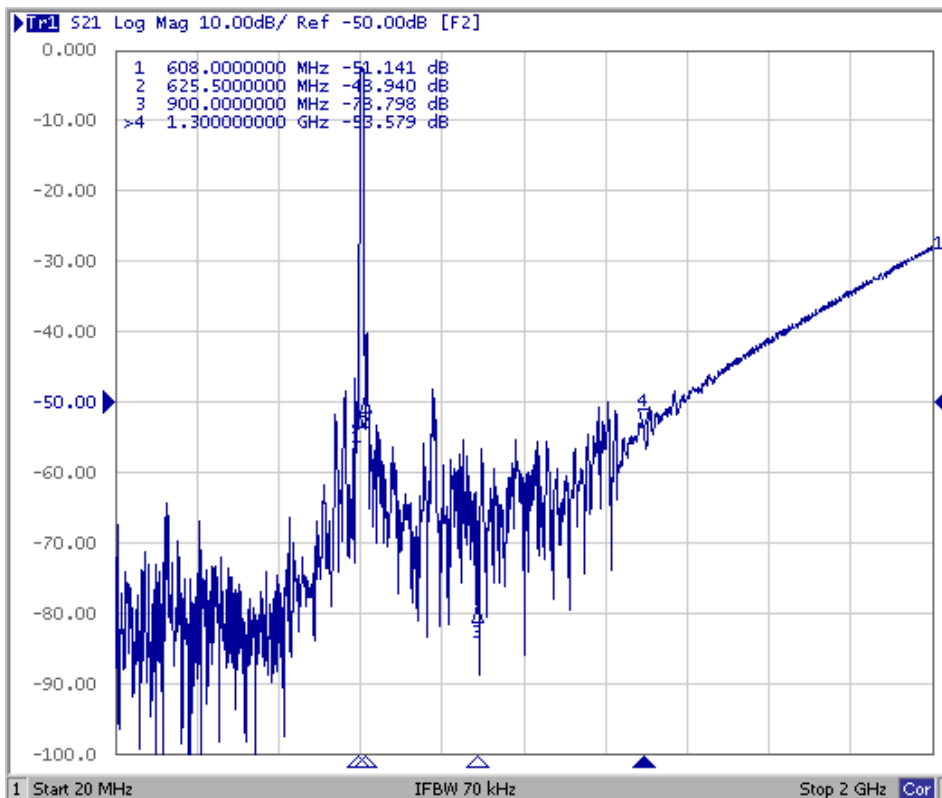
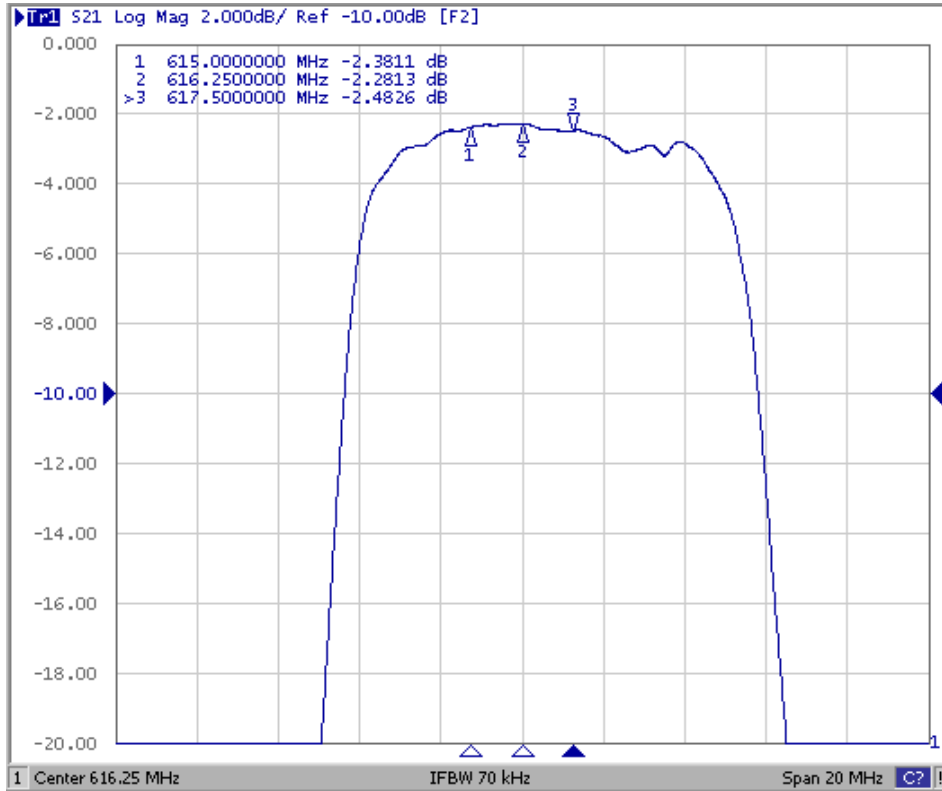
E. PCB FOOTPRINT:



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F. FREQUENCY CHARACTERISTICS:

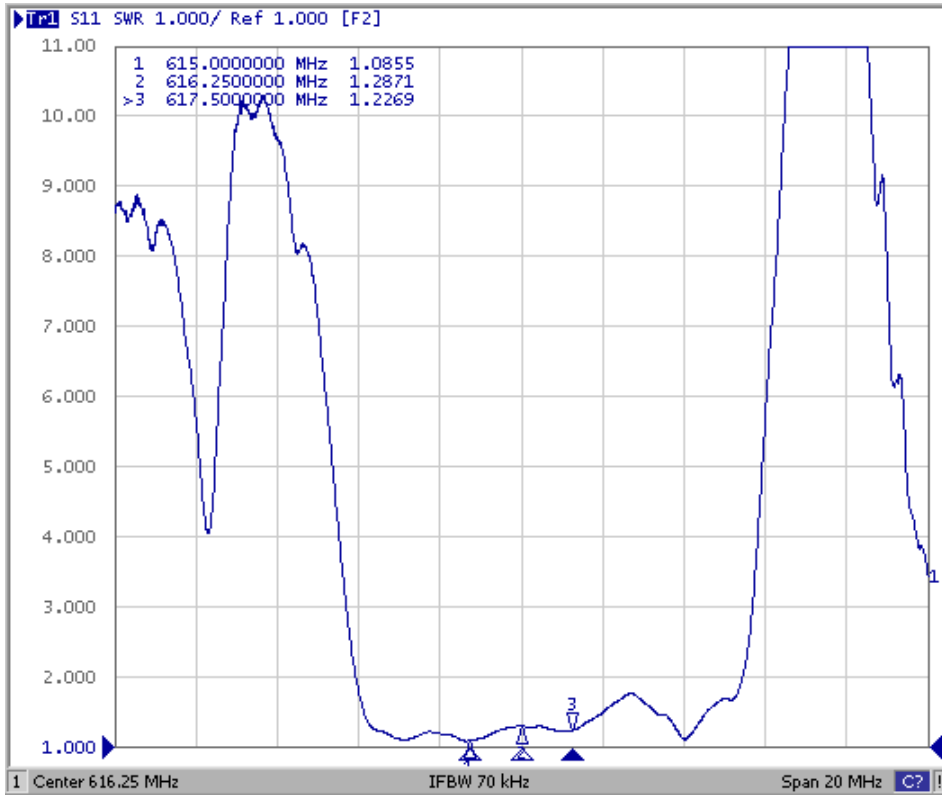


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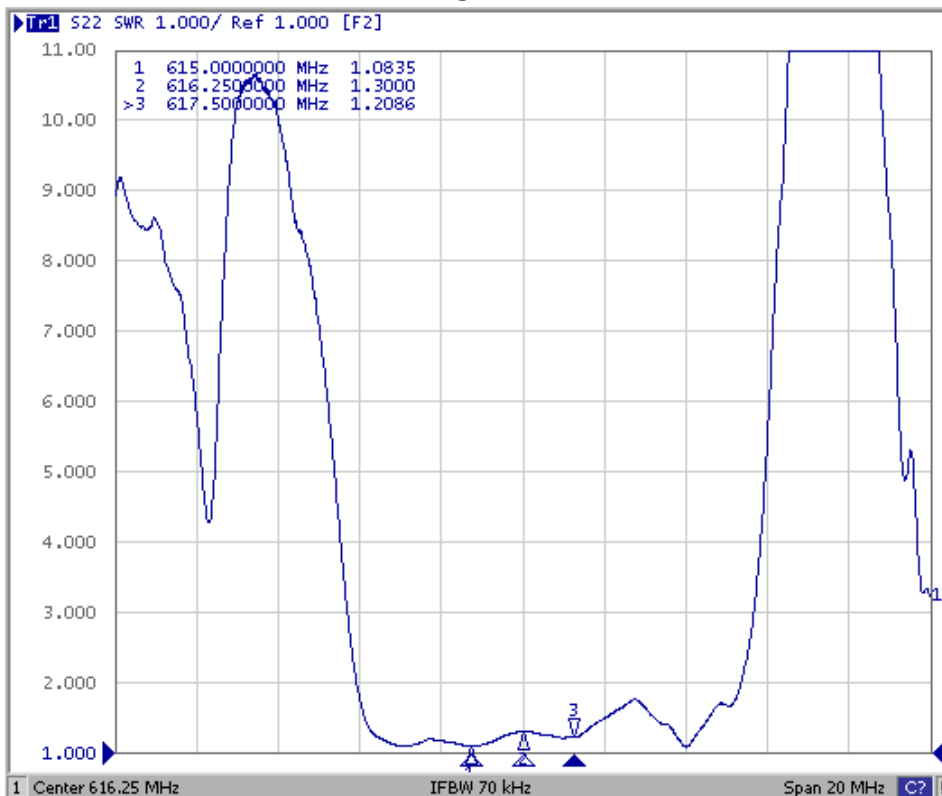
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Reflection Functions

S11



S22

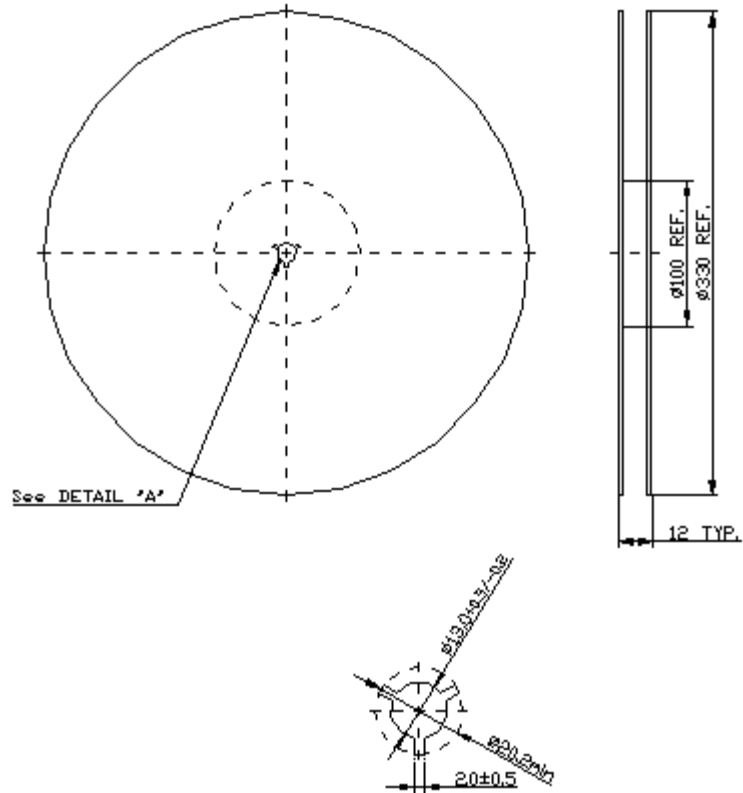


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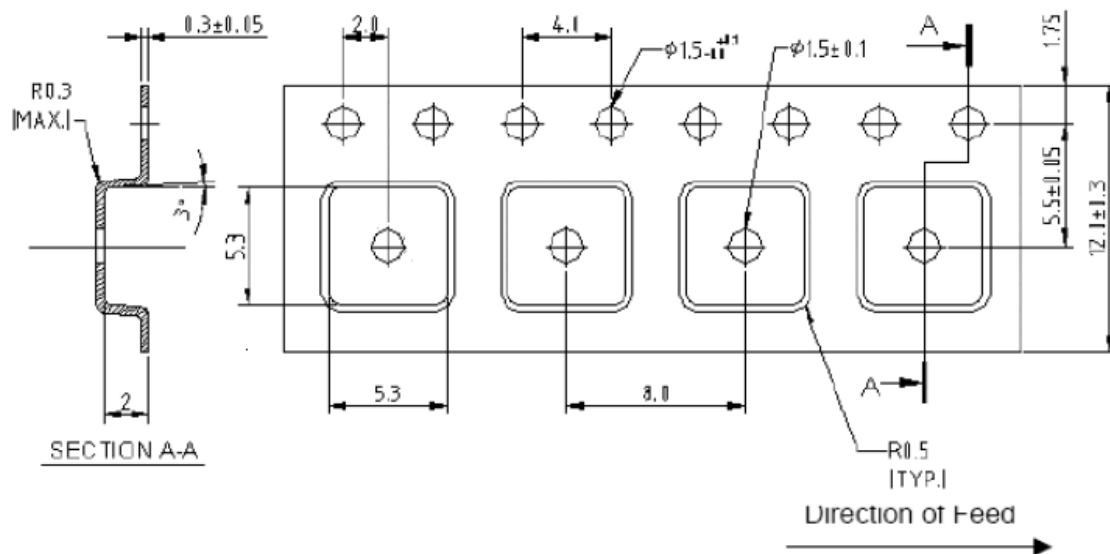
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G. PACKING:

1. Reel Dimension



2. Tape Dimension



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H. RECOMMENDED REFLOW PROFILE:

