

SAW Filter 1227.60MHz
Part No: MP11131

Model: TA2028A
Rev No: 1

A. MAXIMUM RATING:

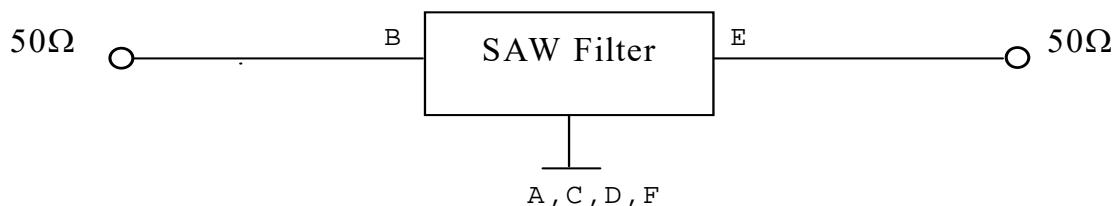
1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.
Center Frequency Fc	MHz	-	1227.6	-
Insertion loss (1226.4~1228.8MHz) IL	dB	-	2.5	3.5
Amplitude ripple (1226.4~1228.8MHz)	dB	-	0.3	1.6
Group Delay at Fc	ns	-	13	50
Group Delay Variation (1226.4~1228.8MHz)	ns	-	8	50
VSWR (1226.4~1228.8MHz)	-	-	1.5	2.4
Attenuation (Reference level from 0dB)				
10 ~ 1152MHz	dB	45	58	-
1182MHz	dB	40	55	-
1201MHz	dB	20	42	-
1254.2MHz	dB	20	62	-
1273.2MHz	dB	40	73	-
1303.2 ~ 3500MHz	dB	33	42	-
Temperature coefficient of frequency	ppm/k	-	-36	-

C. MEASUREMENT CIRCUIT:

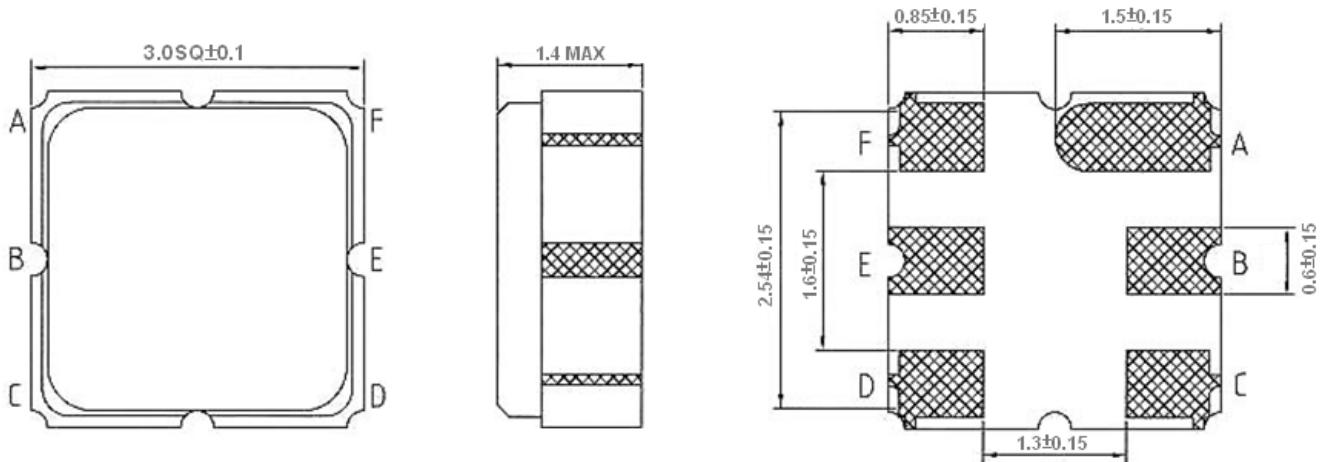
HP Network analyzer



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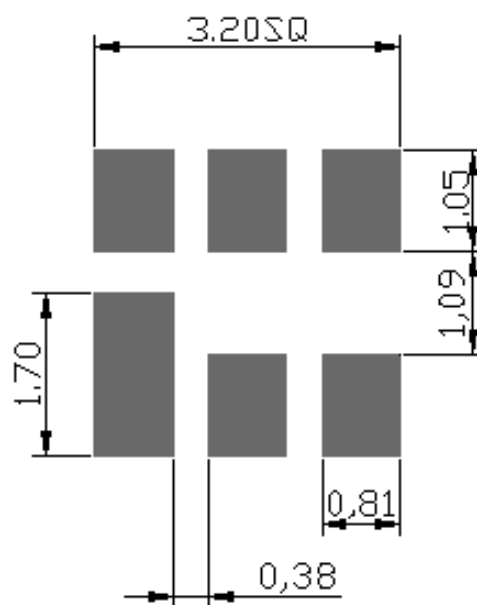
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D. OUTLINE DRAWING:



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

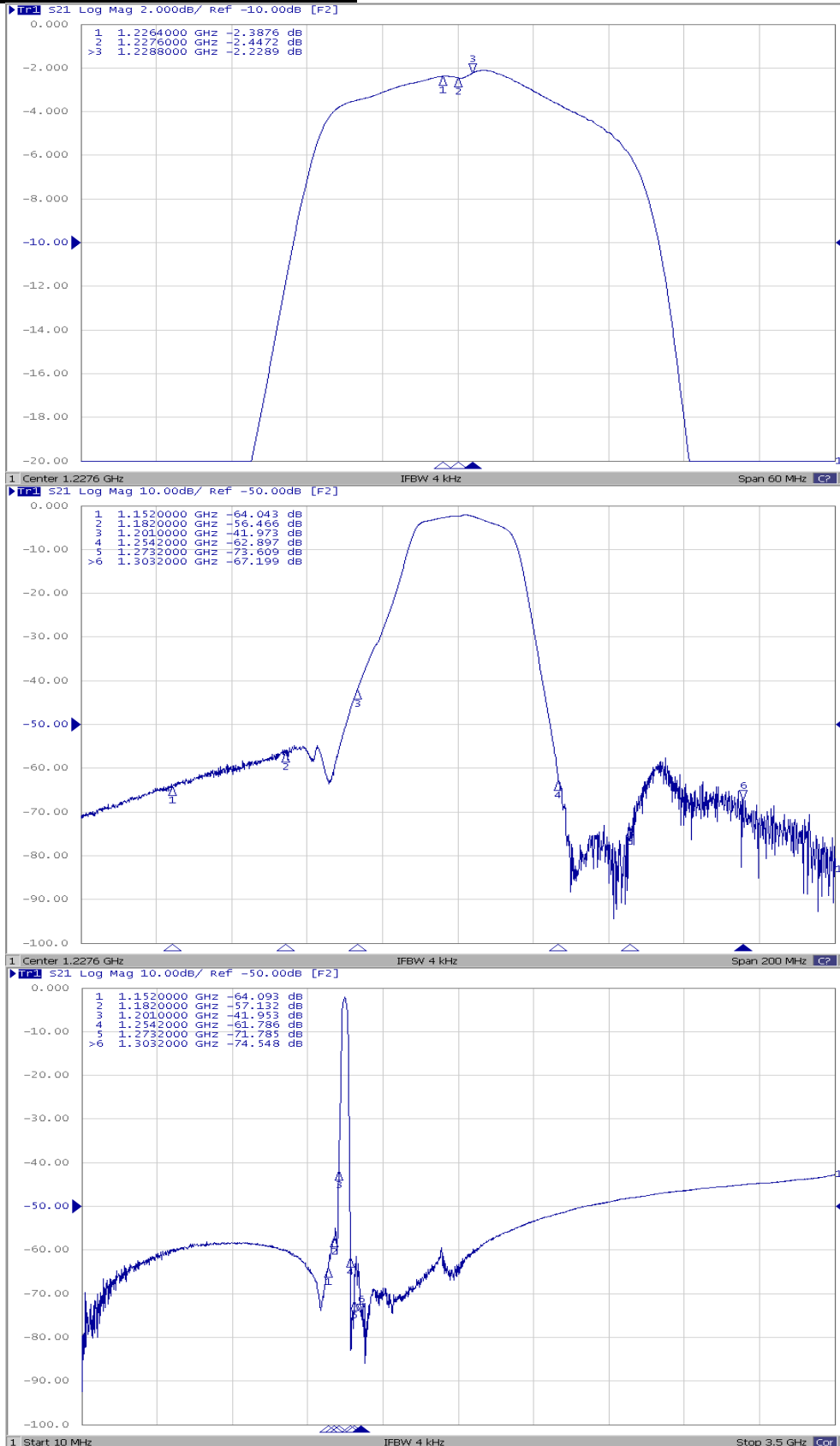
E. PCB FOOTPRINT:



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F. FREQUENCY CHARACTERISTICS:

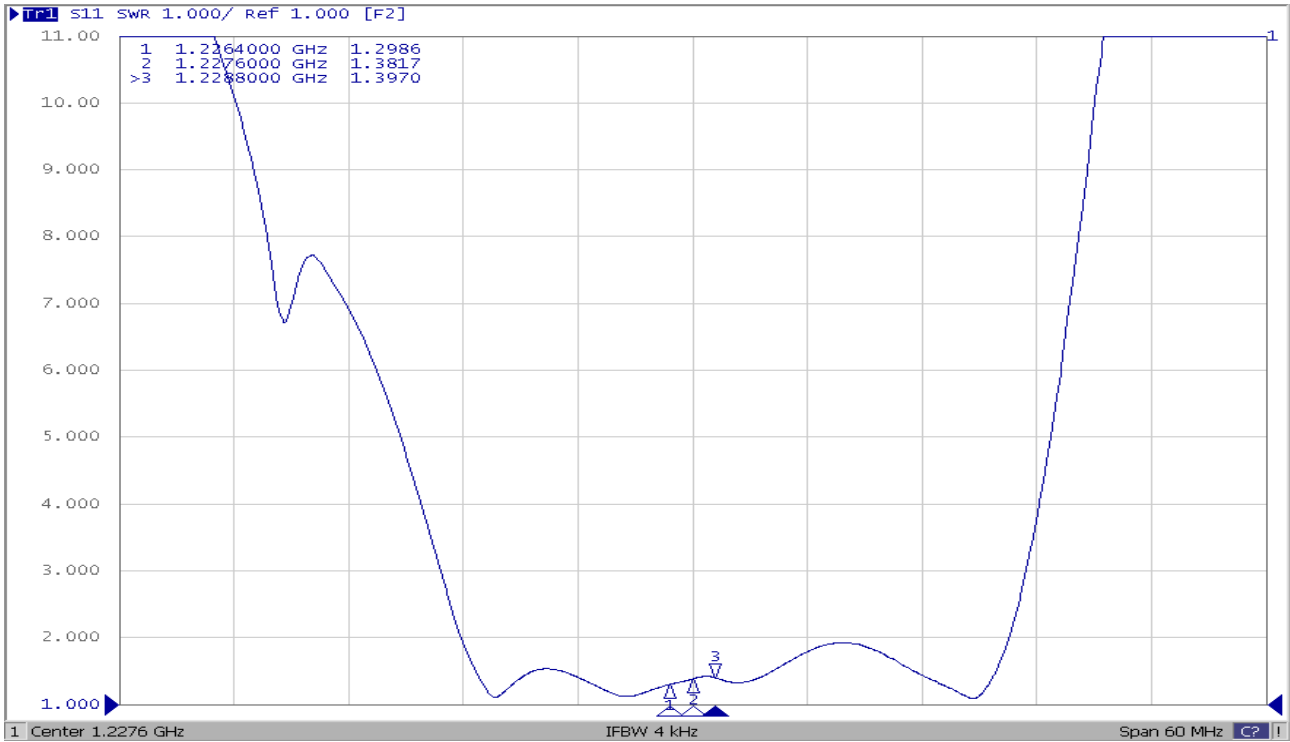


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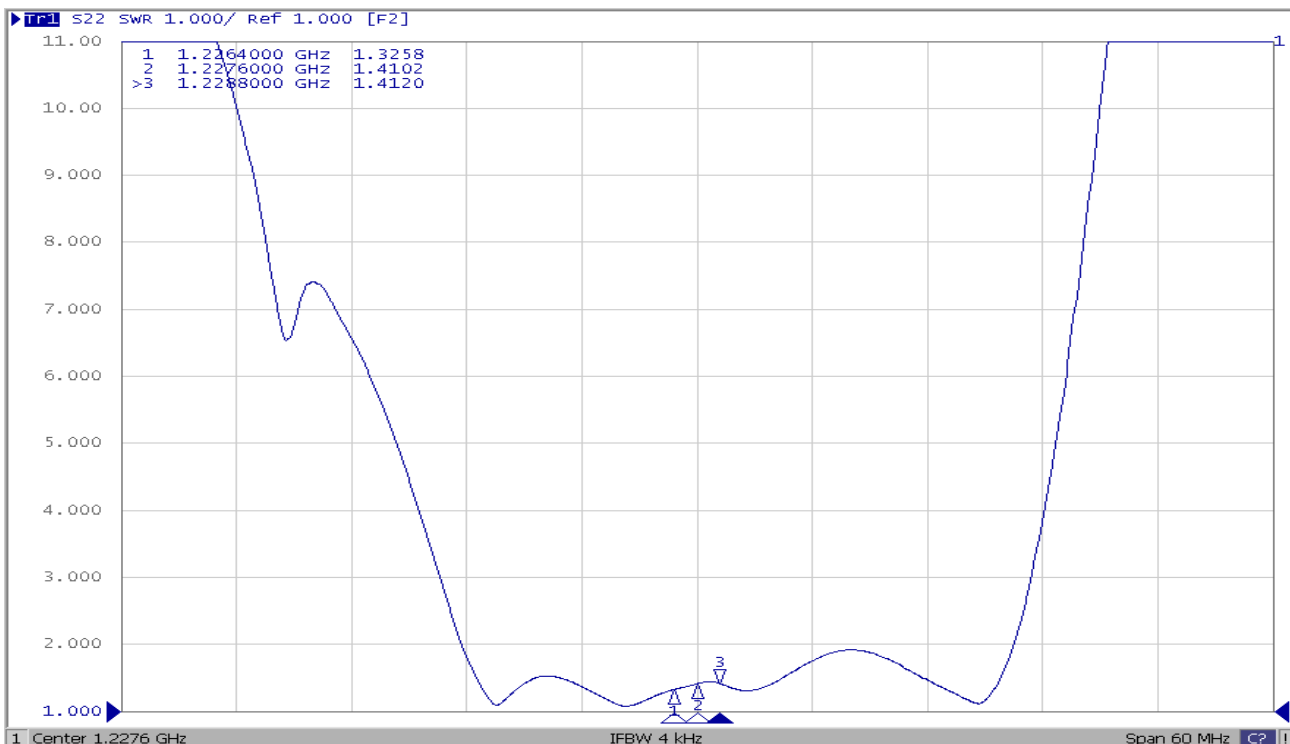
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Reflection Functions:

S11



S22

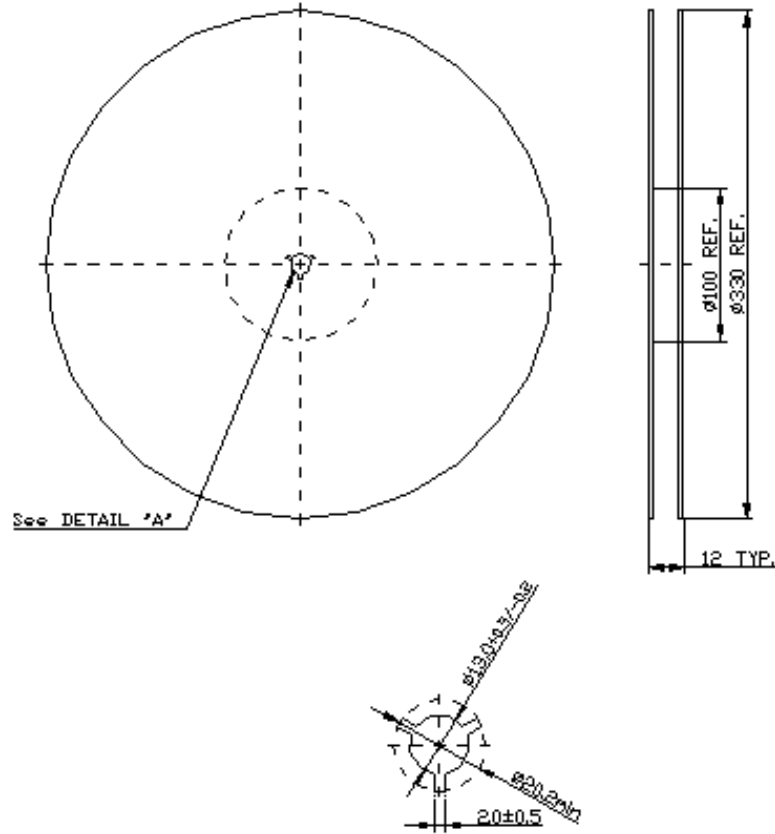


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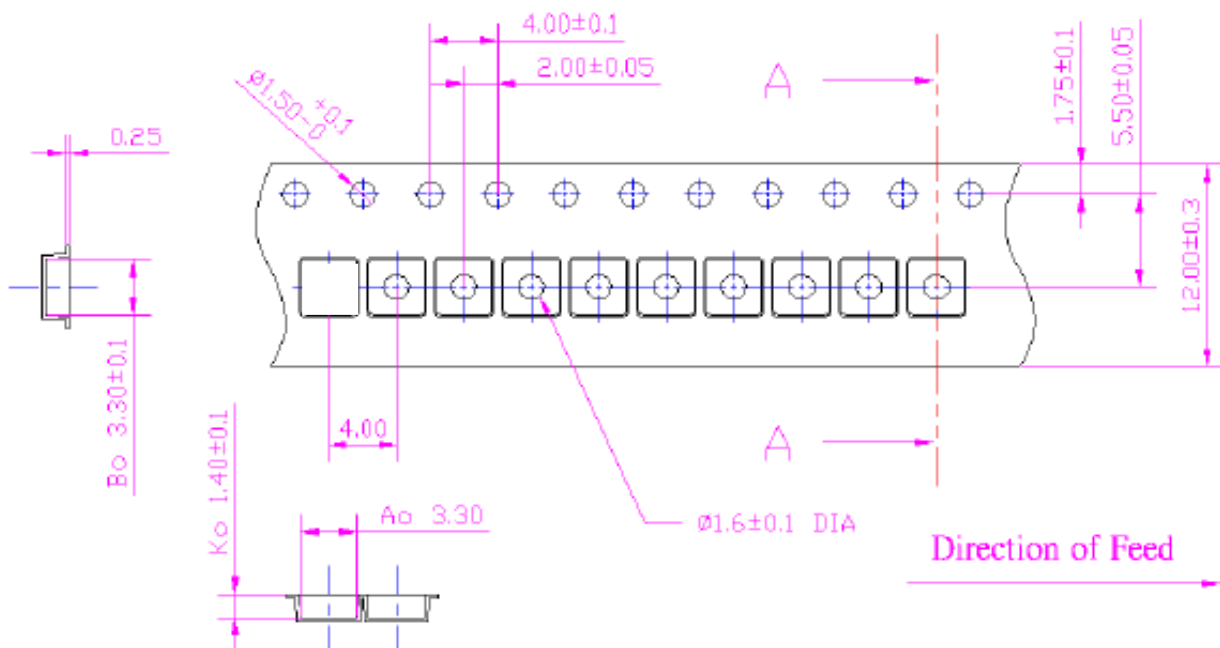
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G. PACKING:

1. Reel Dimensions



2. Tape Dimensions



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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.

