

SAW Filter 2140.0MHz

Model: TA0402A

Part No: MA07353

Rev No: 1

A. MAXIMUM RATING:

1. Input Power Level: 5dBm
2. DC voltage: 0V
3. Operating Temperature: -20°C to +75°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

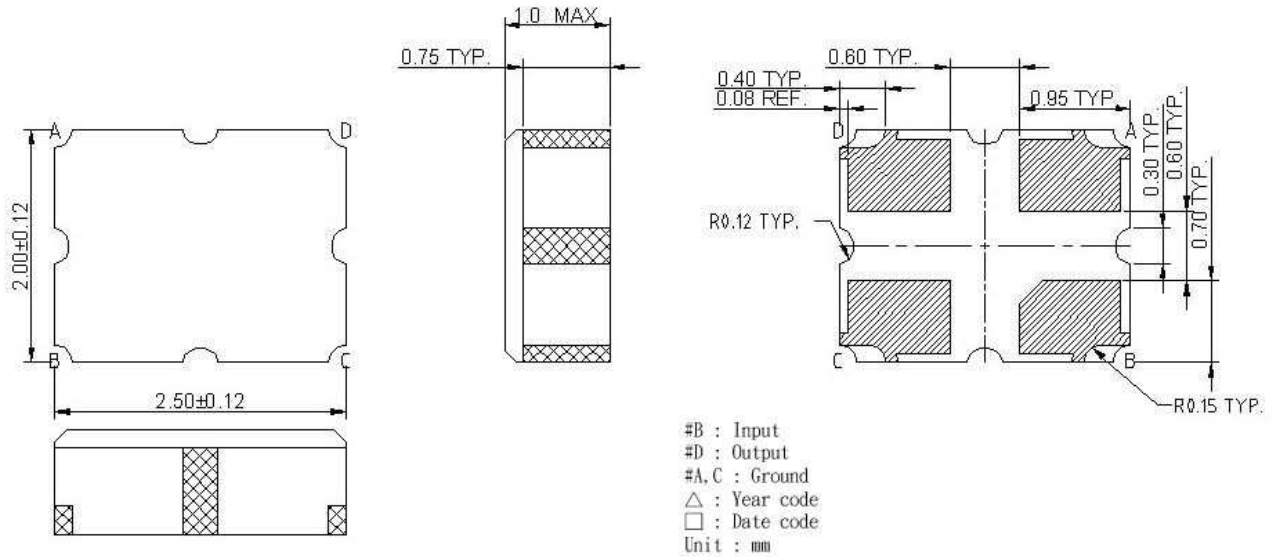
Item	Min.	Typ.	Max.
Center frequency Fc (dB)	-	2140	-
Insertion loss within 2110 ~ 2170MHz IL (dB)	-	2.37	3.5
Amplitude ripple (p-p) within 2110 ~ 2170MHz (dB)	-	1	1.8
Attenuation (Reference level from 0dB)			
1920 ~ 1980MHz (dB)	25	33	-
2205 ~ 2265MHz (dB)	10	35	-
2300 ~ 2360MHz (dB)	30	39	-
2490 ~ 2550MHz (dB)	30	37	-
2870 ~ 2930MHz (dB)	30	41	-
4220 ~ 4340MHz (dB)	20	34	-
VSWR within 2110 ~ 2170MHz	-	1.5	2.3
Source impedance Z _S (Ω)	-	50	-
Load impedance Z _L (Ω)	-	50	-

Note: No matching network required for operation at 50Ω

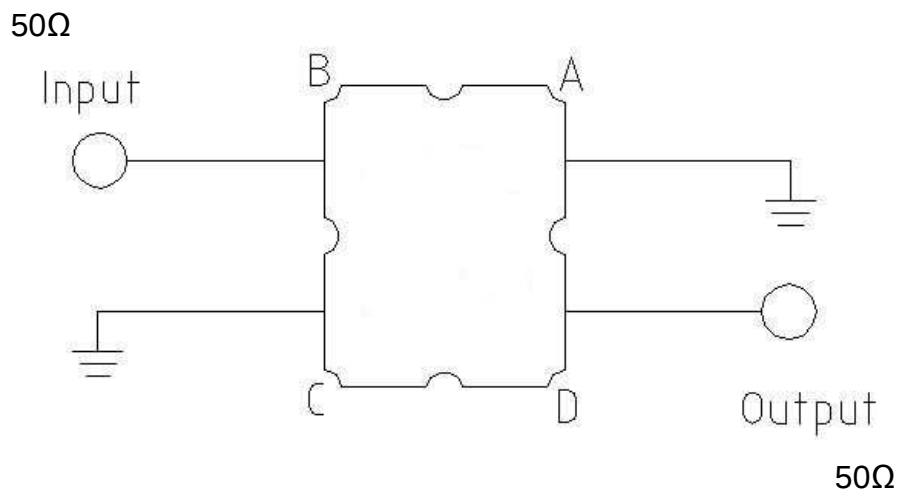
SAW Filter 2140.0MHz
Part No: MA07353

Model: TA0402A
Rev No: 1

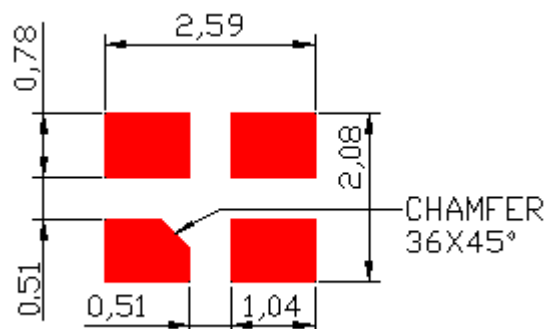
C. OUTLINE DRAWING:



D. MEASUREMENT CIRCUIT:



E. PCB FOOTPRINT:

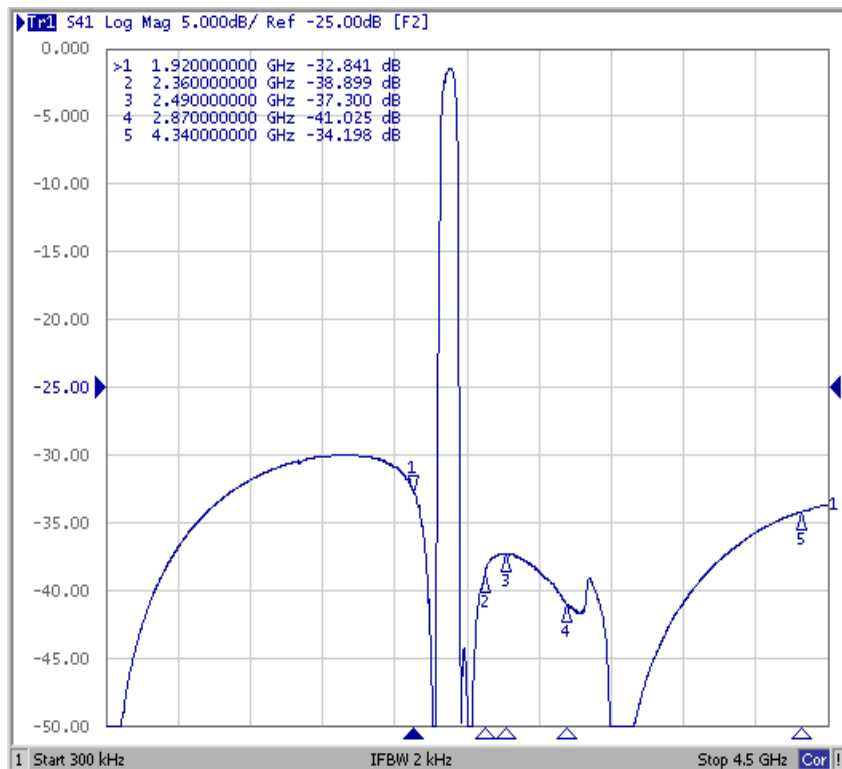
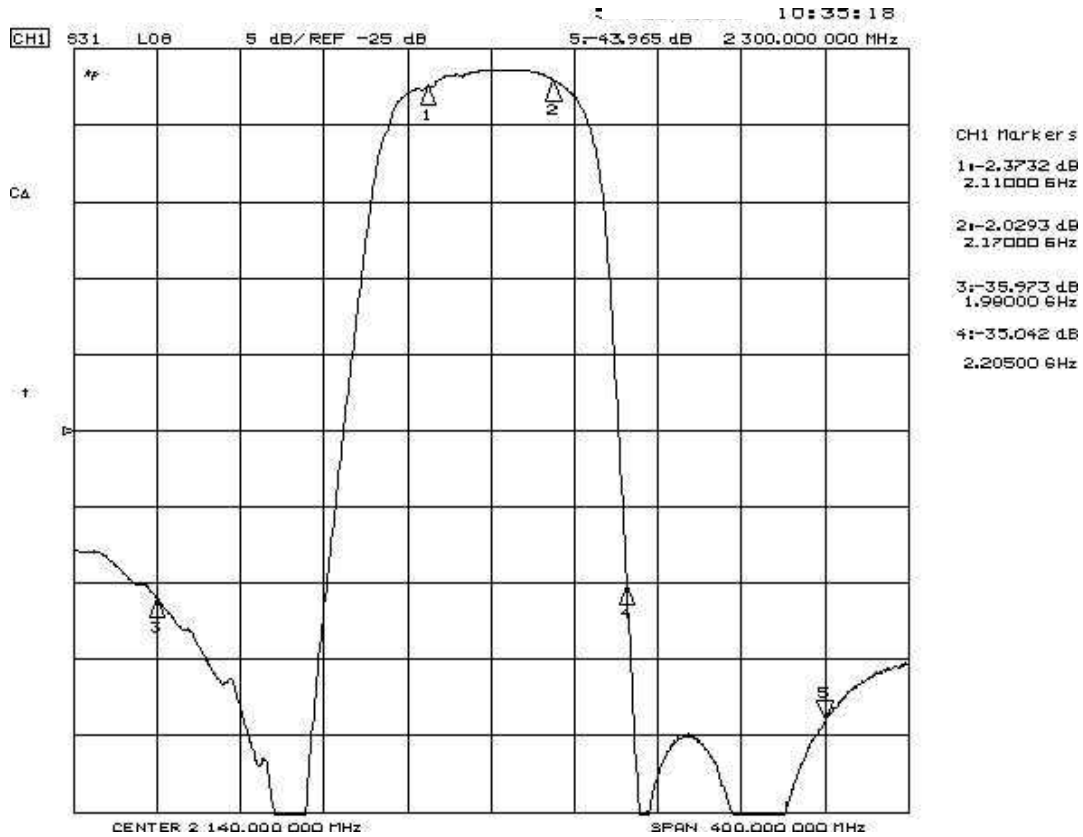


SAW Filter 2140.0MHz
Part No: MA07353

Model: TA0402A
Rev No: 1

F. FREQUENCY CHARACTERISTICS:

Transfer function

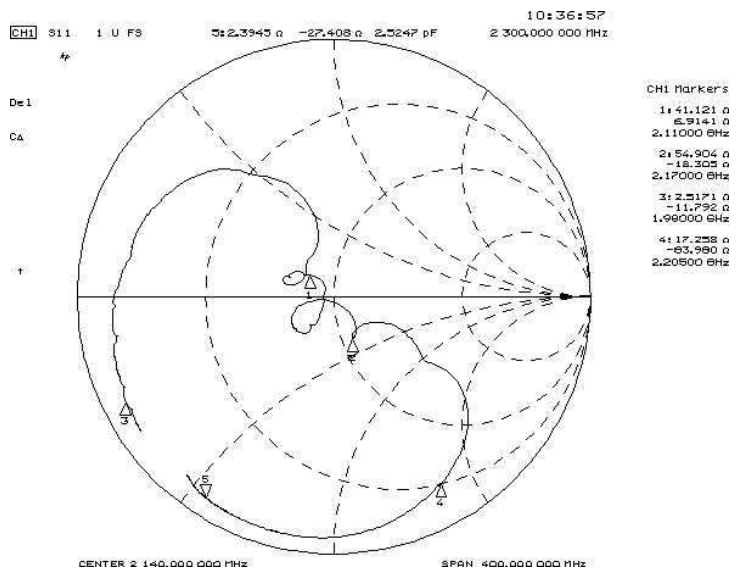
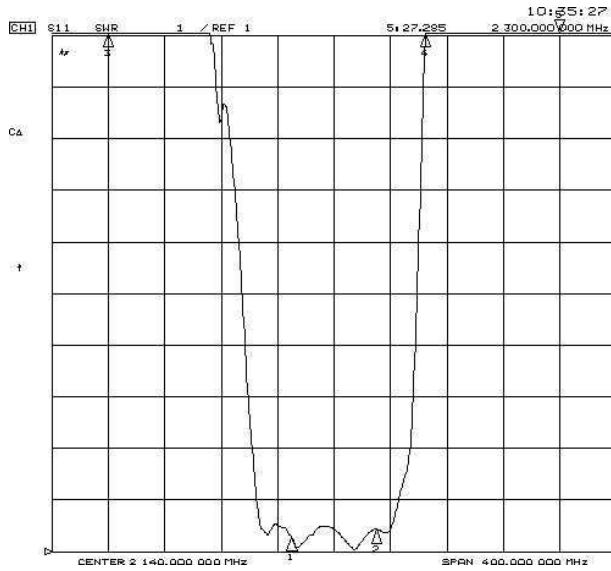


SAW Filter 2140.0MHz
Part No: MA07353

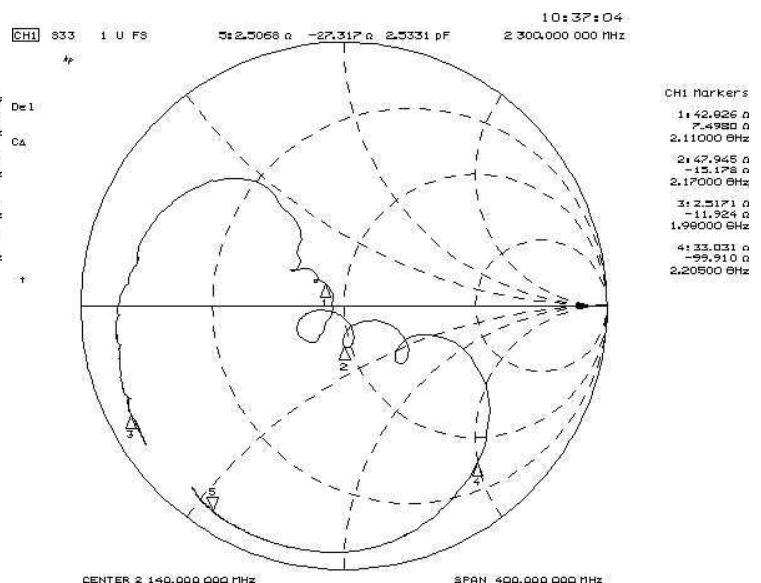
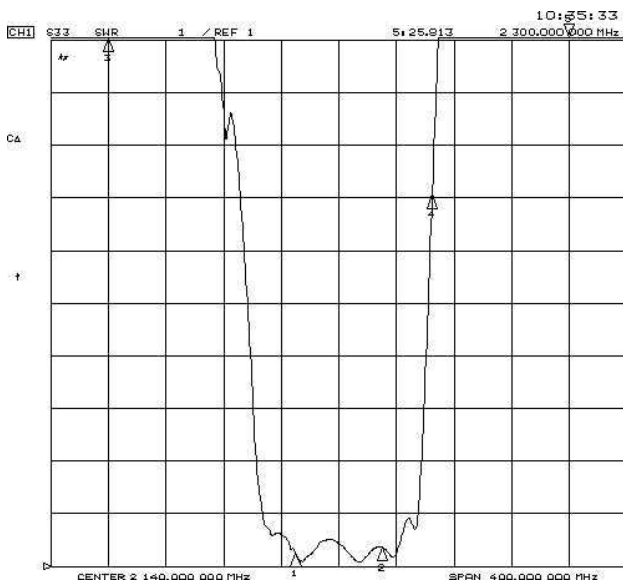
Model: TA0402A
Rev No: 1

Reflections Functions

S11 VSWR



S22 VSWR

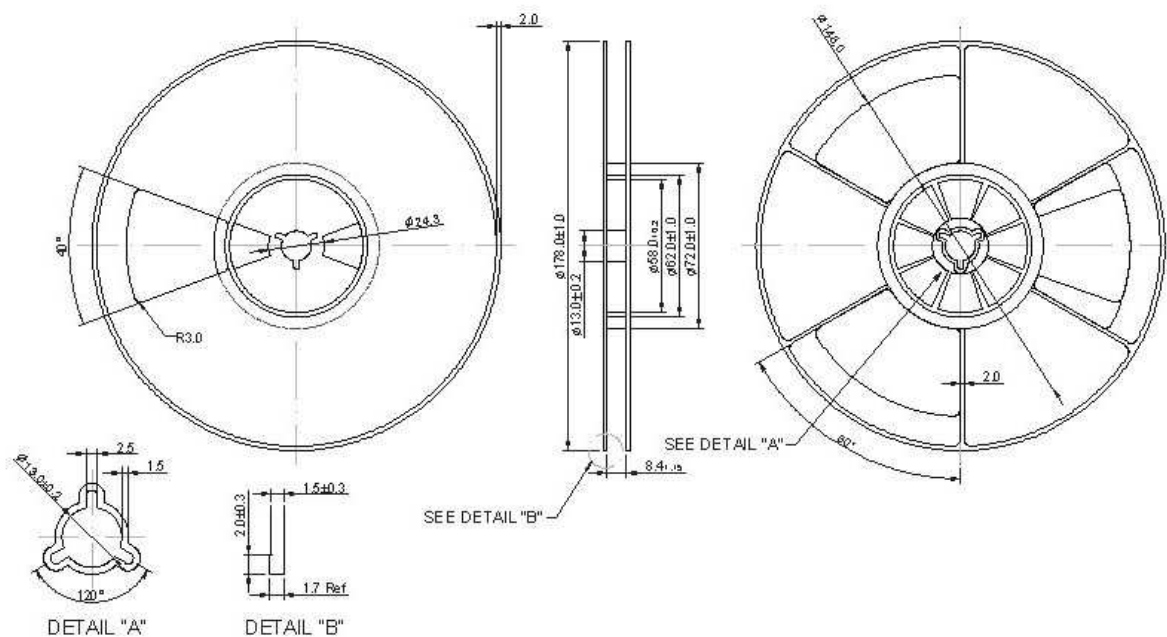


SAW Filter 2140.0MHz
Part No: MA07353

Model: TA0402A
Rev No: 1

G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

