

SAW Filter: 2441.80MHz
Part No: MP05319

Model: TA0223D
Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

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

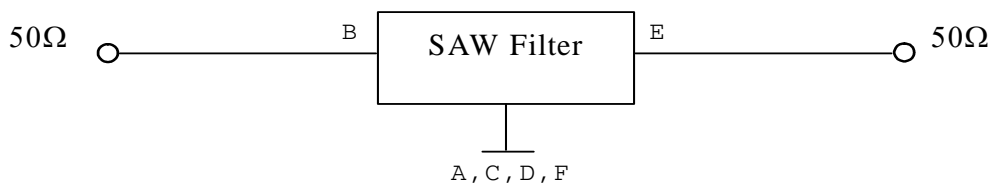
B. ELECTRICAL CHARACTERISTICS:

Item	Min.	Typ.	Max.
Center frequency Fc (dB)	-	2441.8	-
Insertion loss (2400 ~ 2483.5MHz) IL (dB)	-	2.1	3.5
Amplitude ripple (2400 ~ 2483.5MHz) (dB)	-	0.9	3.0
Attenuation (Reference level from 0dB)			
D.C. ~ 1700MHz (dB)	20.0	29.0	-
1700 ~ 2200MHz (dB)	25.0	30.0	-
2700 ~ 3100MHz (dB)	30.0	40.0	-
3100 ~ 4000MHz (dB)	20.0	29.0	-
4000 ~ 5000MHz (dB)	10.0	20.0	-
VSWR (2400 ~ 2483.5MHz)	-	1.7	2.6
Source impedance Z _S (Ω)	-	50	-
Load impedance Z _L (Ω)	-	50	-

Note 1. The standard definitions is in JIS C 6703.

C. MEASUREMENT CIRCUIT:

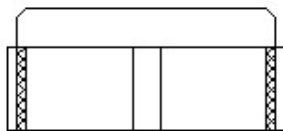
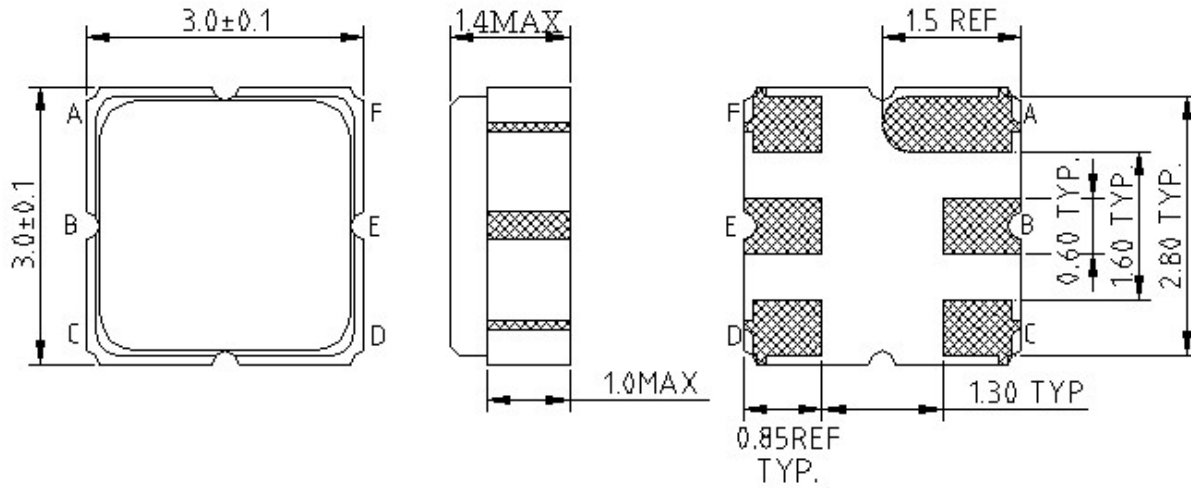
HP Network analyzer



SAW Filter: 2441.80MHz
Part No: MP05319

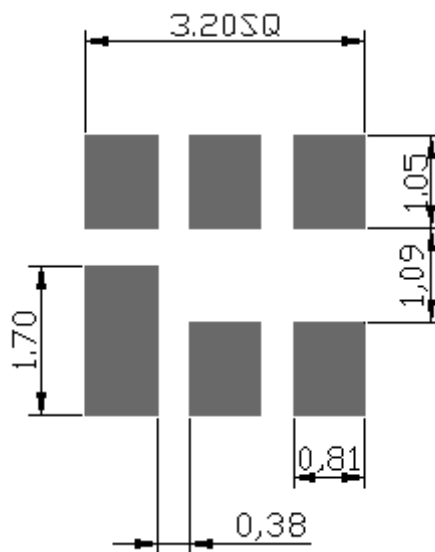
Model: TA0223D
Rev No: 1

D. OUTLINE DRAWING:



B INPUT
 E OUTPUT
 A,C,D,F GROUND
 DIMENSION : mm

E. PCB FOOTPRINT:

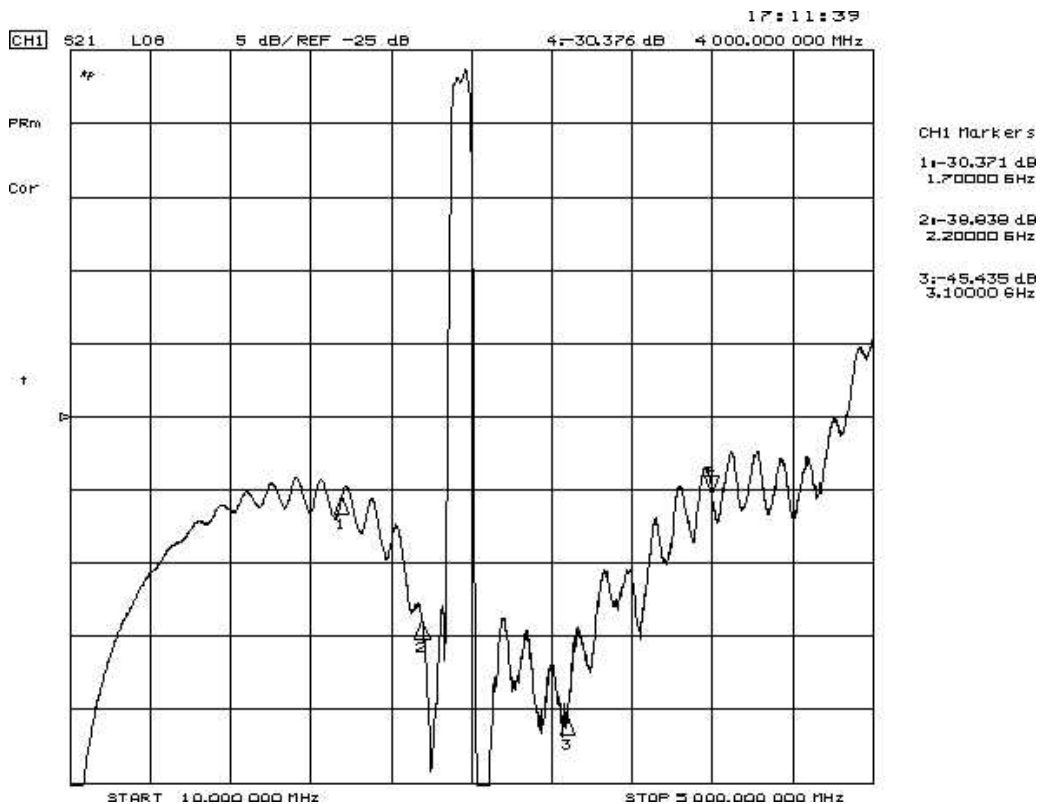
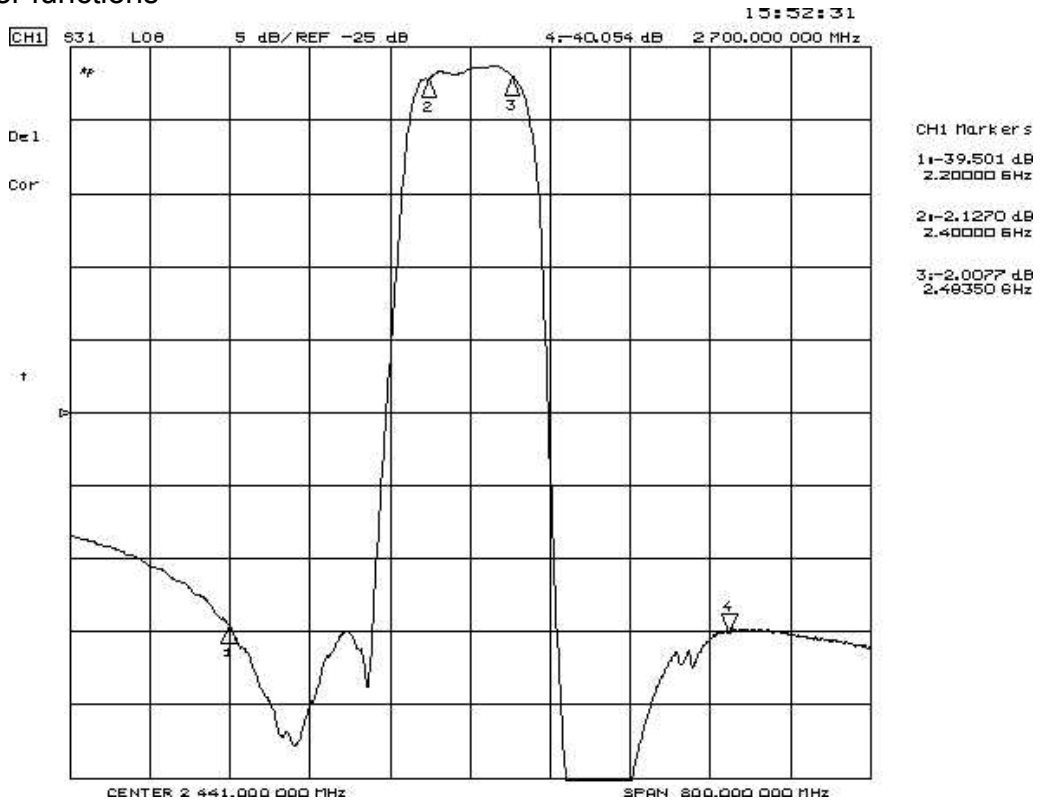


SAW Filter: 2441.80MHz
Part No: MP05319

Model: TA0223D
Rev No: 1

F. FREQUENCY CHARACTERISTICS:

1. Transfer functions

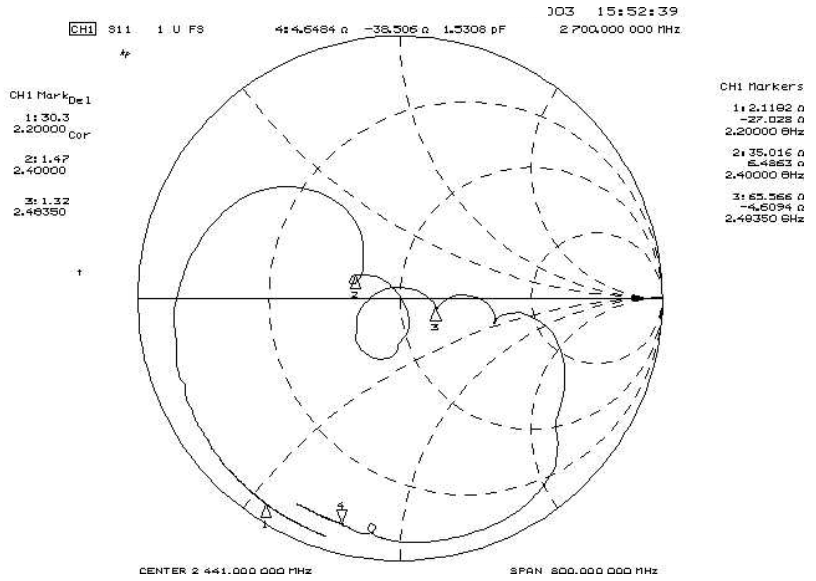
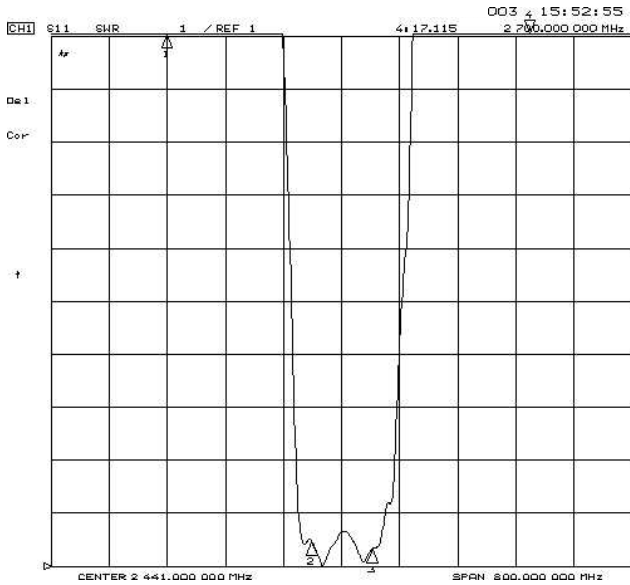


SAW Filter: 2441.80MHz
Part No: MP05319

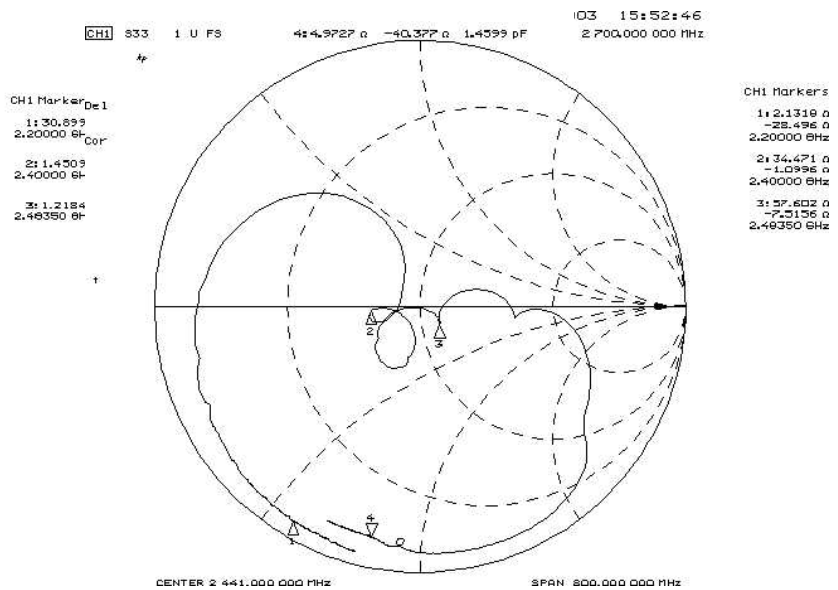
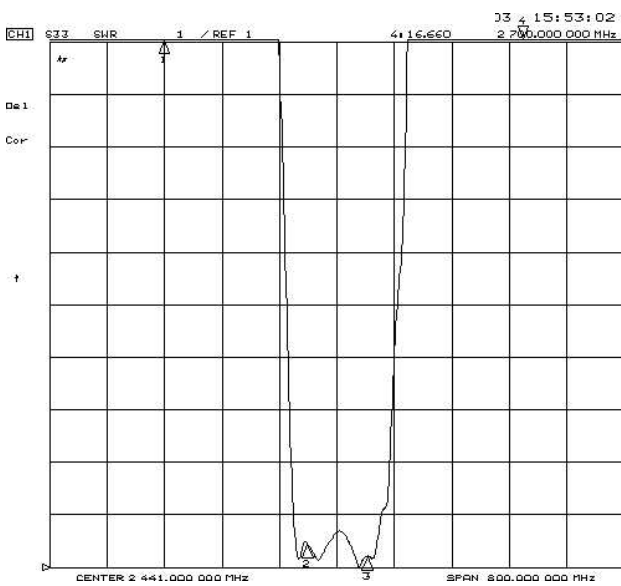
Model: TA0223D
Rev No: 1

2. Reflections Functions

S11 VSWR



S22 VSWR



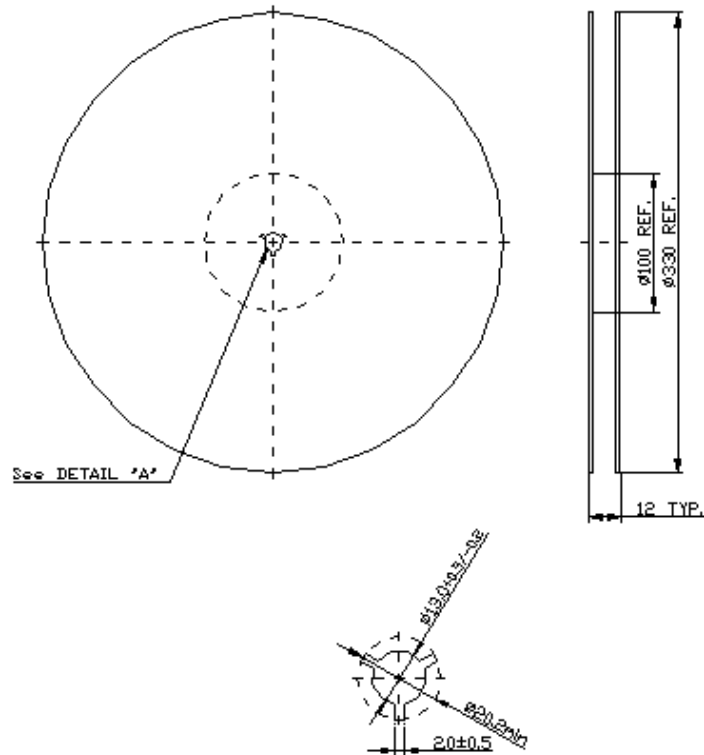
SAW Filter: 2441.80MHz
Part No: MP05319

Model: TA0223D
Rev No: 1

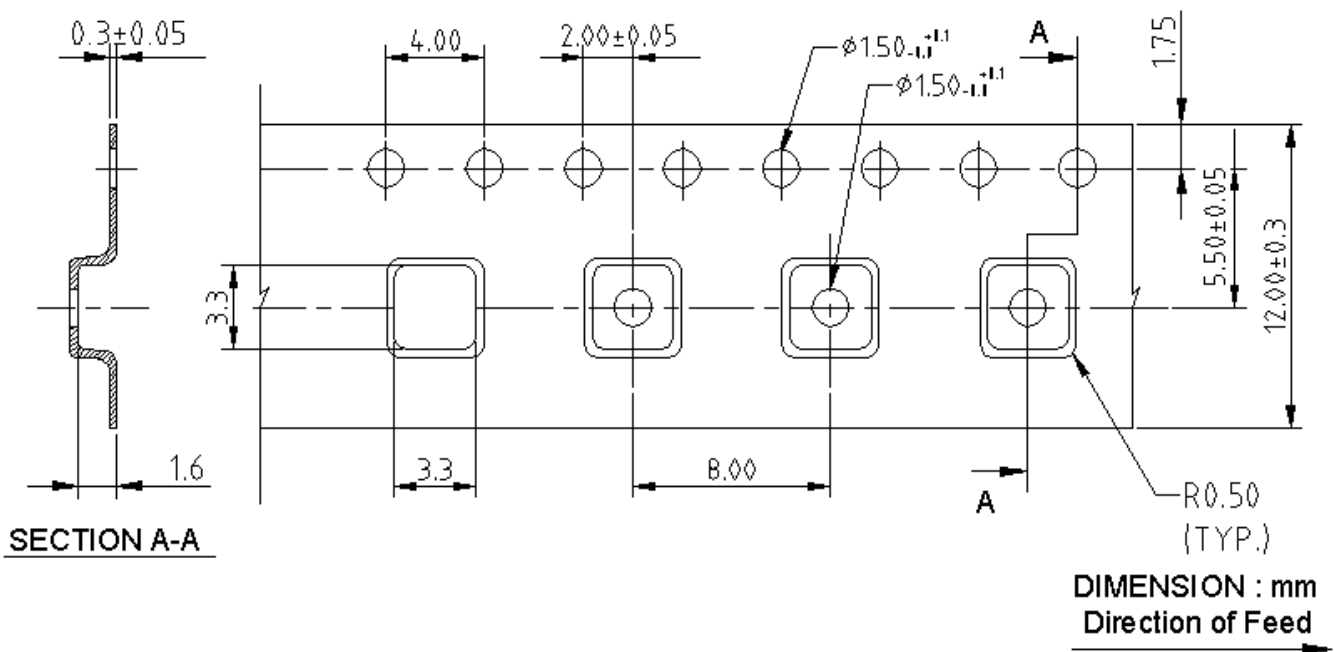
G. PACKING:

1. Reel Dimension

(Please refer to FR-75D10 for packing quantity)



2. Tape Dimension



SAW Filter: 2441.80MHz
Part No: MP05319

Model: TA0223D
Rev No: 1

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 245 ~ 260°C peak (min. 10 sec).
4. Time: 2 times.

