

SAW Filter 38.912MHz
Part No: MA07568

Model: TB0275A
Rev No: 1

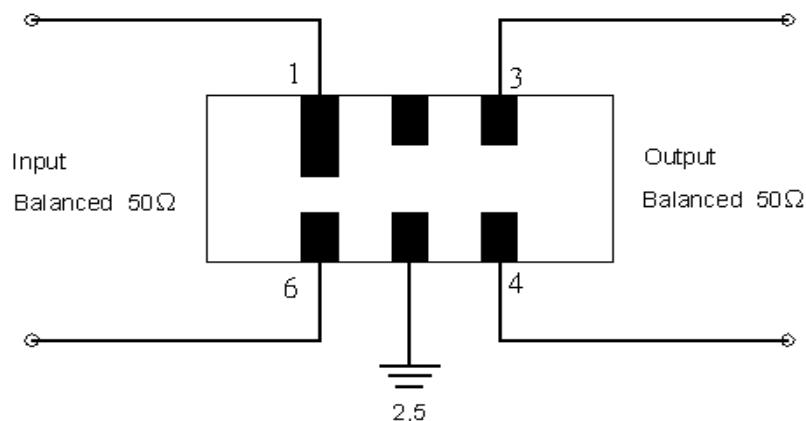
A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. Operate Temperature: -30°C to 80°C
3. Storage Temperature: -40°C to 85°C

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	38.912	-
Insertion Loss at Fc IL	dB	-	23.2	25
3dB Bandwidth	MHz	1.5	1.57	-
30dB Bandwidth	MHz	-	2.61	2.8
Group Delay Ripple	nS	-	90	200
Absolute Delay at Fc	µS	-	1.45	-
Source Impedance (single ended)	Ω	-	50	-
Load Impedance (single ended)	Ω	-	50	-
Attenuation (Reference level from Min IL)				
30.00 ~ 36.26MHz	dB	35	38	-
36.26MHz ~ 37.30MHz	dB	33	36	-
40.60MHz ~ 41.40MHz	dB	38	41	-
41.40MHz ~ 50.00MHz	dB	38	40	-

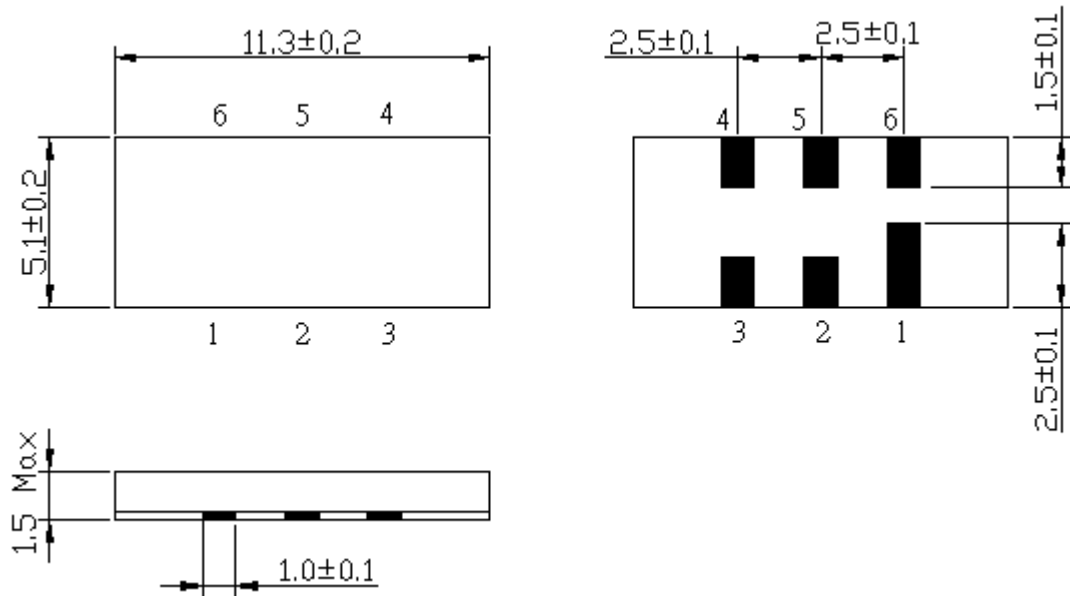
C. TEST CIRCUIT:



SAW Filter 38.912MHz
Part No: MA07568

Model: TB0275A
Rev No: 1

D. OUTLINE DRAWING:



- 1: Balanced input return
 - 2, 5: To be Ground
 - 3: Balanced output
 - 4: Balanced output return
 - 6: Balanced input
- Unit: mm

SAW Filter 38.912MHz
Part No: MA07568

Model: TB0275A
Rev No: 1

E. FREQUENCY CHARACTERISTICS:

1. wide band of Response

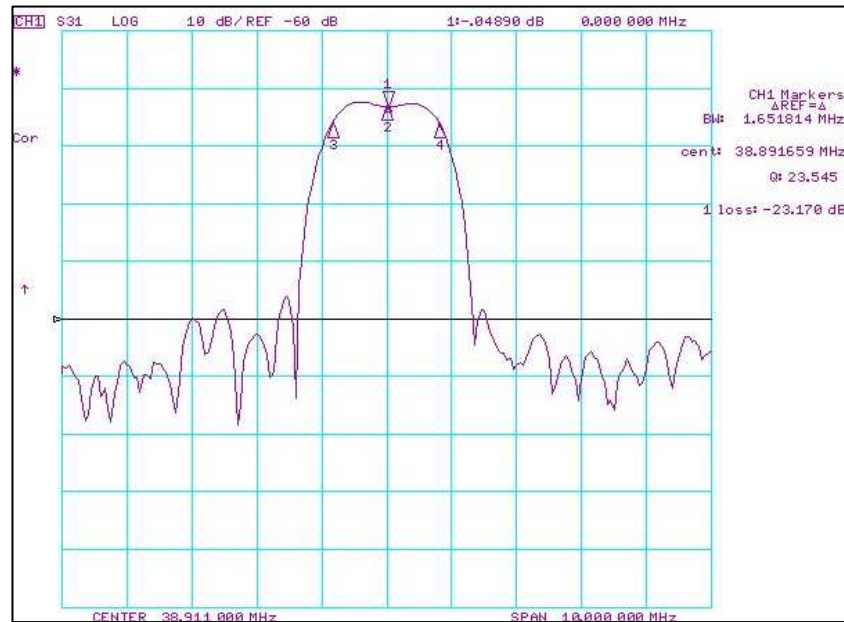


Fig 1. S21 Response Horizontal: 1MHz/Div Vertical: 10dB/Div

2. Passband of Response



Fig 2. S21 Response Horizontal: 0.5MHz/Div Vertical: 1dB/Div
100ns/Div