

SAW Filter 86.60MHz

Model: TB0497A

Part No: MP01294

REV. NO.: 1

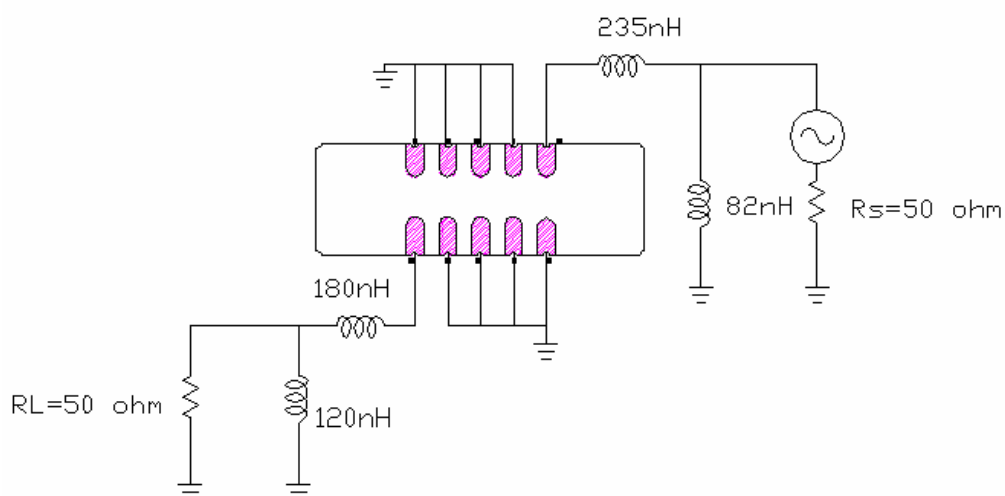
A. MAXIMUM RATING:

1. Input Power Level : 20 dBm
2. Operating Temperature: -40°C to 85°C
3. Storage Temperature: -40°C to 85°C

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.	Note
Center frequency, F_c	MHz	-	86.6	-	-
Minimum Insertion Loss, IL	dB	-	5.5	6.5	-
Lower 3.5 dB point	MHz	86.40	86.41		-
Upper 3.5 dB point	MHz		86.75	86.80	-
Lower 28 dB point	MHz	85.80	86.18		-
Upper 28 dB point	MHz		86.98	87.40	-
Amplitude Ripple	MHz	-	0.7	1.0	-
Group delay ripple	ns	-	70	200	-
Ultimate Rejection	dB	33	40	-	-
VSWR	-	-	1.6:1	2.0:1	-
Substrate Material	-	-	Quartz	-	-

C. MEASUREMENT CIRCUIT:



SAW Filter 86.60MHz

Model: TB0497A

Part No: MP01294

REV. NO.: 1

D. FREQUENCY CHARACTERISTICS:

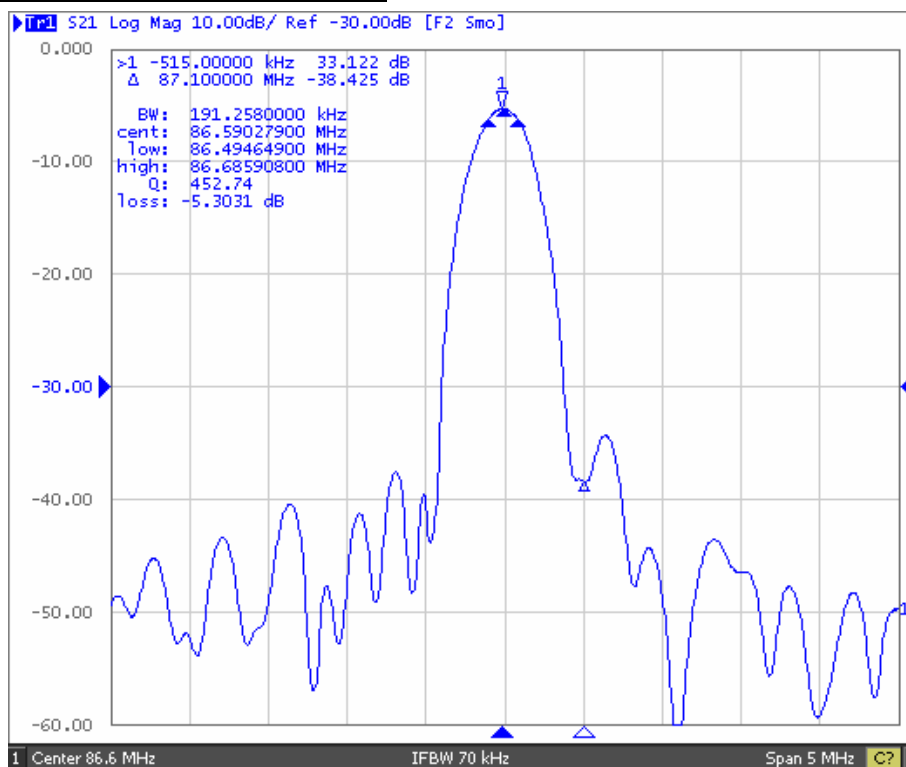


Fig-1 S21 Response Horizontal: 0.5MHz/Div Vertical: 10dB/Div

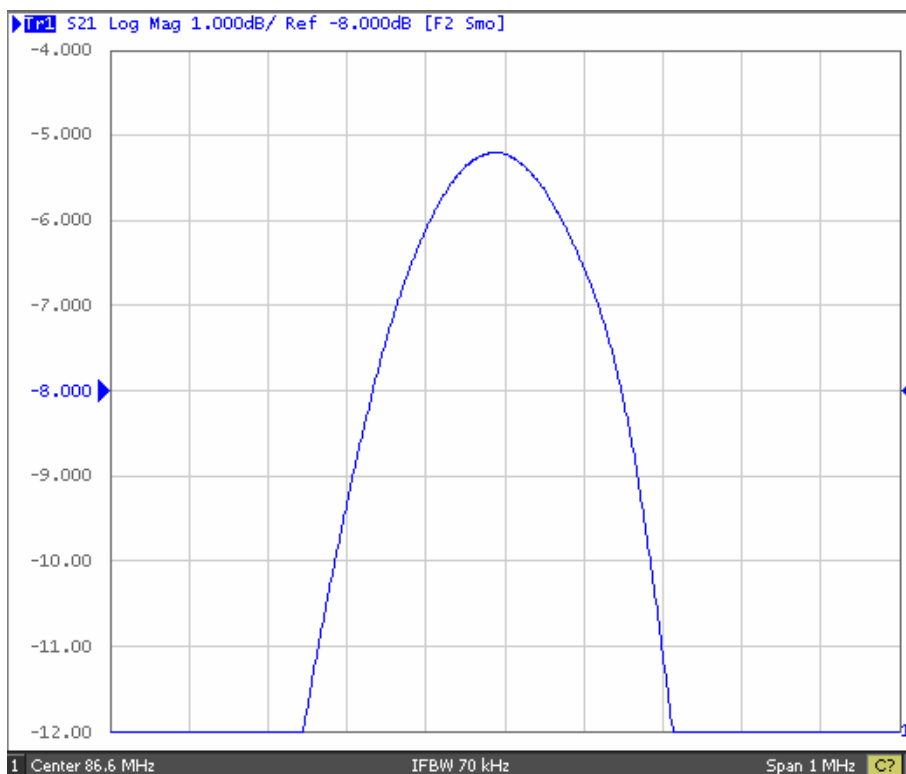


Fig-2 Amplitude Ripple Horizontal: 0.1MHz/Div Vertical: 1dB/Div

SAW Filter 86.60MHz

Model: TB0497A

Part No: MP01294

REV. NO.: 1



Fig-3 Group Delay Ripple: Horizontal: 0.1MHz/Div Vertical:100nS/Div

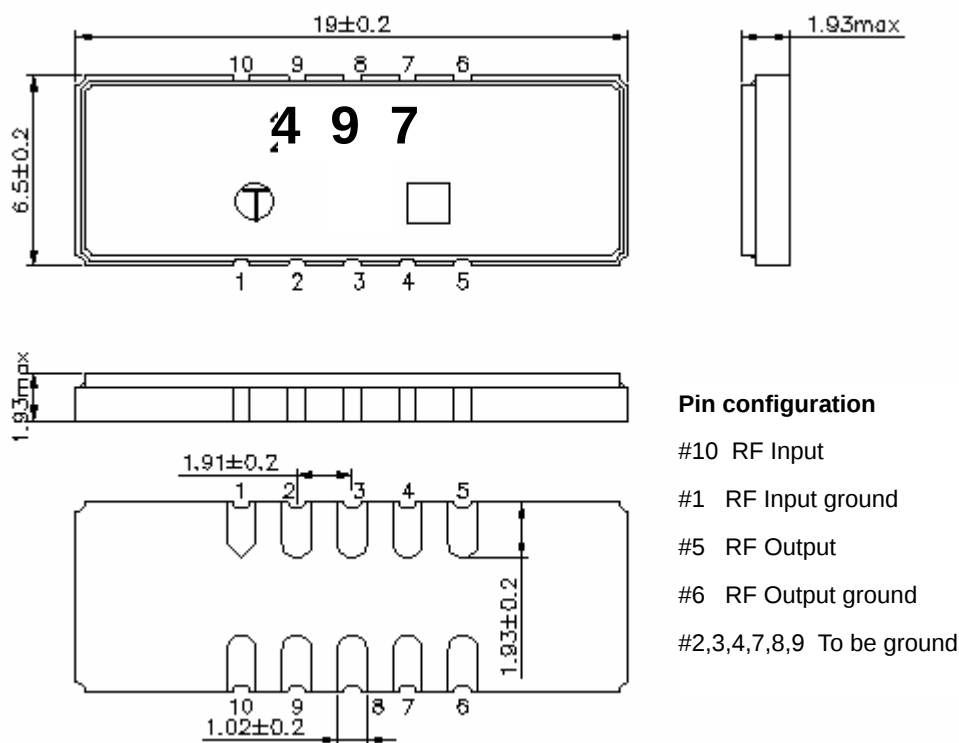
SAW Filter 86.60MHz

Model: TB0497A

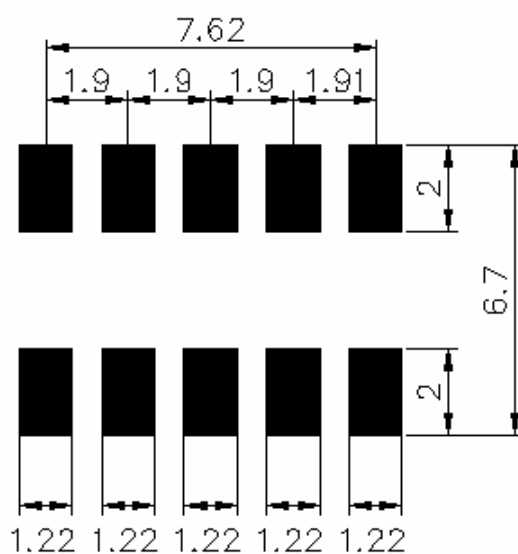
Part No: MP01294

REV. NO.: 1

E. OUTLINE DRAWING :



F. PCB FOOTPRINT:



REV. NO.: 1