

Central frequency - 182.2 MHz

Passband - 7.9 MHz

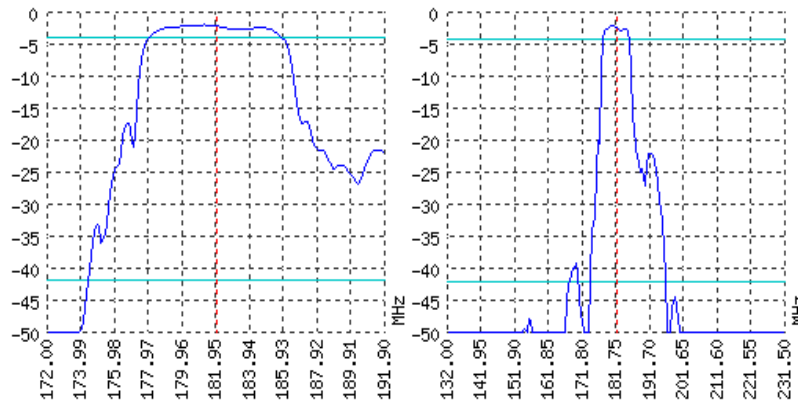
Complies with Directive 2002/95/EC (RoHS)

Looking for information on other SAW devices at: <http://aec-pro.com/filters.php>

Designed by: Ltd. AEC Design

Mass production: Ltd. AEC

## TYPICAL PERFORMANCE



## SPECIFICATIONS

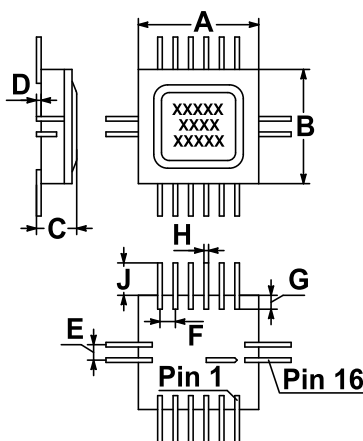
Parameter	Unit	Minimum	Typical	Maximum
Central frequency	MHz	181.9	182.2	182.5
Insertion loss	dB	-	1.9	2
Bandwidth at -2 дБ	MHz	7.5	7.9	8.1
Bandwidth at -40 дБ	MHz	-	24	-
Amplitude ripple	dB	-	1	1.2
Group Delay Ripple	ns	-	-	-
Ultimate rejection	dB	-	50	-
Operating temperature	°C	-55	22	+85
Substrate	-	-	Lithium niobate 64	-

## Notes:

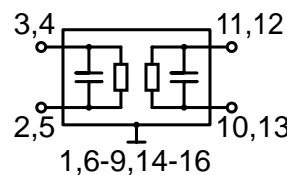
- The design, manufacturing process, and specifications of this filter are subject to change.
- Specification valid for measurements in AEC test fixture.

## CASE H 04.16-2BH

## MATCHING

<http://aec-pro.com/cases.php>

DIMENSIONS (mm)	
A	7.8
B	7.4
C	2.9
D	0.2
E	1
F	1
G	0.9
H	0.3
J	3



Input 50 Om		Output 50 Om	
L1, nH	-	L2, nH	-
C1, pF	-	C2, pF	-

Signal input: 3,4  
 Ground (input): 2,5  
 Signal output: 11,12  
 Ground (output): 10,13  
 Ground: other pin

\*Matching condition depends on PCB layout.

## Recommendations:

- See the relevant ЦПАП for maximum permissible input signal power in the bandwidth.
- Input signal amplitude in the stop band is limited to 5 V.
- DC voltage at the input (output) of the filter should not exceed 10 V.
- It is recommended to include the coupling capacitor between the device and the generator (load).
- SAW filters are sensitive to static electricity, therefore corresponding precautions should be taken while working with them.
- Do not expose the device to frequency vibrations more than 5 kHz. Do not use ultrasonic cleaners.

## Design and production SAW filters, resonators, delay lines, sensors.



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