

Central frequency - 157.4 MHz

Passband - 4.75 MHz

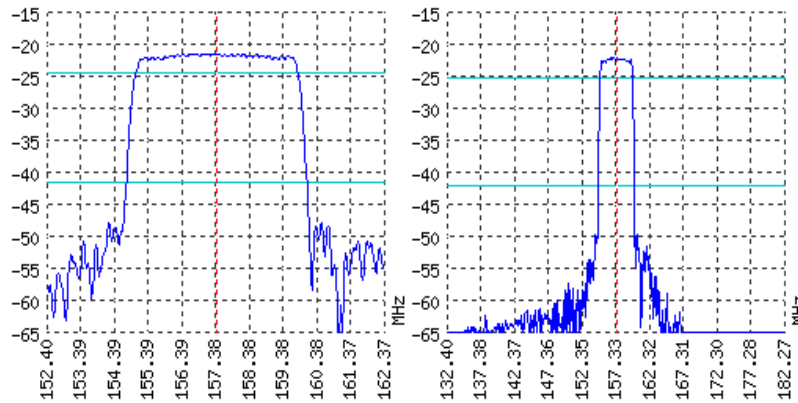
Complies with Directive 2002/95/EC (RoHS)

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



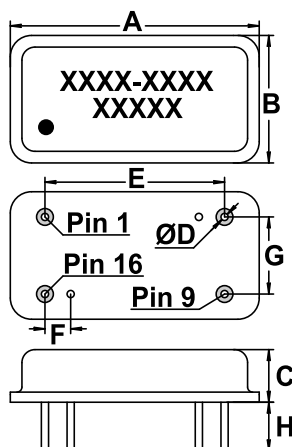
SPECIFICATIONS

Parameter	Unit	Minimum	Typical	Maximum
Central frequency	MHz	157.35	157.4	157.45
Insertion loss	dB	-	22	25
Bandwidth at -3 дБ	MHz	4.6	4.75	-
Bandwidth at -20 дБ	MHz	-	5.35	5.4
Amplitude ripple	dB	-	1.5	3
Group Delay Ripple	ns	-	-	-
Ultimate rejection	dB	-	40	-
Operating temperature	°C	-55	22	+85
Substrate	-	-	Lithium tantalate 112	-

Notes:

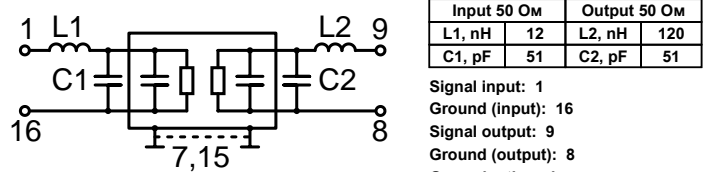
- The design, manufacturing process, and specifications of this filter are subject to change.
- Specification valid for measurements in AEC test fixture.

CASE DIP 16

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

DIMENSIONS (mm)	
A	24.6
B	12.6
C	5.2
D	0.45
E	17.78
F	2.54
G	7.62
H	4.8

MATCHING



Input 50 Ом		Output 50 Ом	
L1, nH	12	L2, nH	120
C1, pF	51	C2, pF	51

Signal input: 1
 Ground (input): 16
 Signal output: 9
 Ground (output): 8
 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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