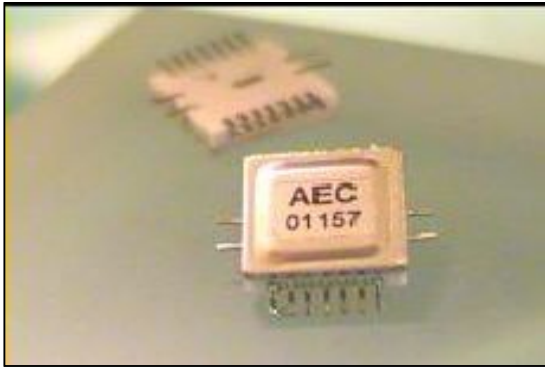


Central frequency - 420 MHz

Passband - 0.2 MHz

Complies with Directive 2002/95/EC (RoHS)

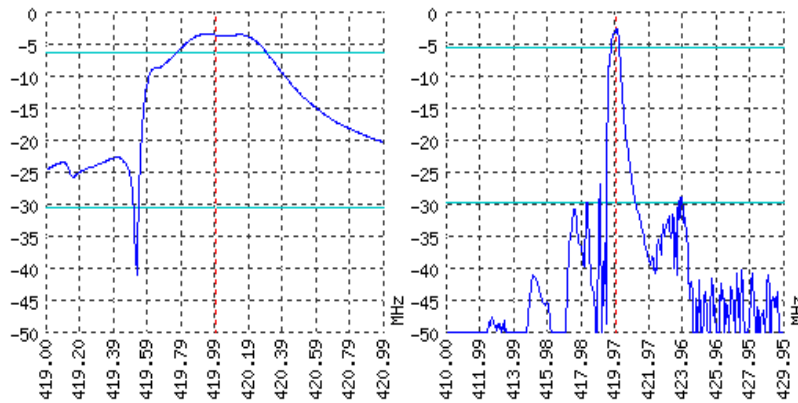


Looking for information on other SAW devices at: <http://aec-pro.com/filters.php>

Designed by: Ltd. AEC Design

Mass production: Ltd. AEC

TYPICAL PERFORMANCE



SPECIFICATIONS

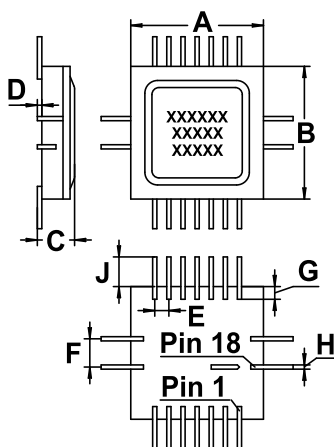
Parameter	Unit	Low frequency	Typical	Upper frequency
Central frequency	MHz	-	420	-
Insertion loss	dB	-	Not more 5	-
Bandwidth edge -3dB level	MHz	Not more 419.925	-	Not less 420.075
Bandwidth edge -27dB level	MHz	Not less 419	-	Not more 421
Amplitude ripple	dB	-	Not more 3	-
Group Delay Ripple	ns	-	-	-
Ultimate rejection	dB	-	27	-
Operating temperature	°C	-55	22	+85
Substrate	-	-	Quartz 36	-

Notes:

- For information. Order a ЦПАР.433561.70 TY for a complete and updated data.
- Specification valid for measurements in AEC test fixture.

CASE H 09.18-2BH

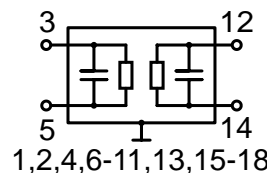
MATCHING



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



DIMENSIONS (mm)	
A	9.4
B	9.4
C	2.9
D	0.2
E	1
F	2
G	0.9
H	0.3
J	3



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

Signal input: 3
 Ground (input): 5
 Signal output: 12
 Ground (output): 14
 Ground: other pin

*Matching condition depends on PCB layout.

Recommendations:

- See the relevant ЦПАР 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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