

Central frequency - 1498 MHz

Passband - 22.5 MHz

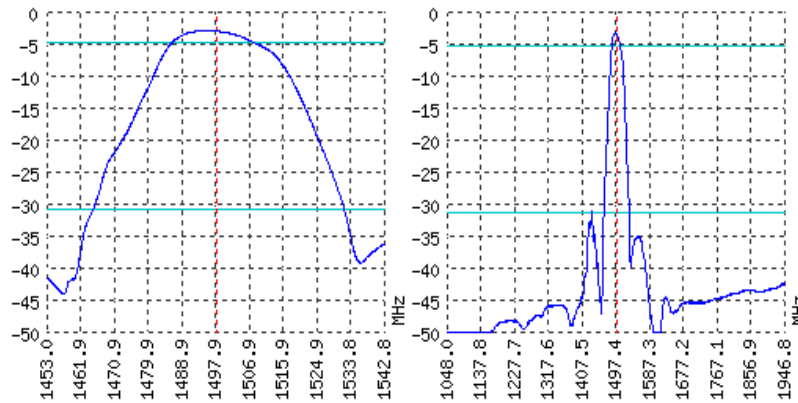
Complies with Directive 2002/95/EC (RoHS)

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



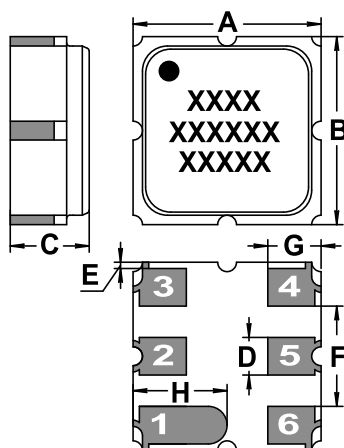
SPECIFICATIONS

Parameter	Unit	Minimum	Typical	Maximum
Central frequency	MHz	1497	1498	1499
Insertion loss	dB	-	3	3.5
Bandwidth at -2 дБ	MHz	21	22.5	24
Bandwidth at -28 дБ	MHz	-	69	70
Amplitude ripple	dB	-	0.6	1.5
Group Delay Ripple	ns	-	-	-
Ultimate rejection	dB	-	40	-
Operating temperature	°C	-55	22	+85
Substrate	-	-	Lithium tantalate 36	-

Notes:

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

CASE DCC 6


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


DIMENSIONS (mm)	
A	3
B	3
C	1.26
D	0.6
E	0.1
F	1.6
G	0.85
H	1.5

MATCHING



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

Signal input: 2
Signal output: 5
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.



Ltd. AEC Mass production. Acceptance - QCID.
aec@aec-pro.com | tel./fax (812)252-93-70



Ltd. AEC Design Design and production. Military acceptance.
admin@aec-design.com | tel.(812)377-04-26 | fax.(812)364-60-69