

Central frequency - 479.5 MHz

Passband - 32 MHz

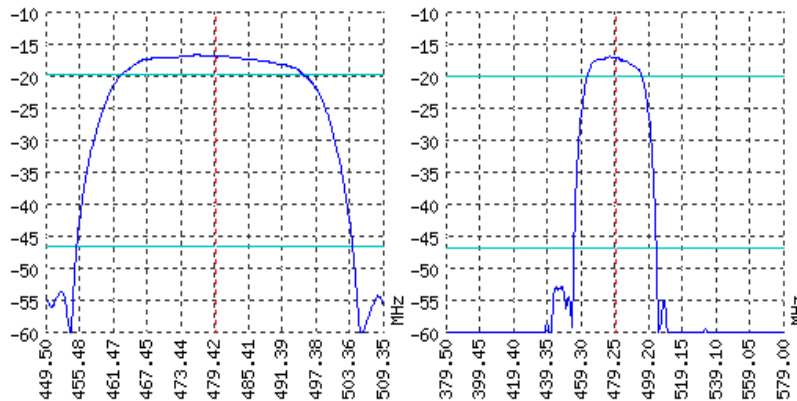
Complies with Directive 2002/95/EC (RoHS)

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	479	479.5	480
Insertion loss	dB	15	17	18
Bandwidth at -3 дБ	MHz	30	32	33
Bandwidth at -30 дБ	MHz	-	48.9	-
Amplitude ripple	dB	-	0.3	1
Group Delay Ripple	ns	-	10	-
Ultimate rejection	dB	-	45	-
Operating temperature	°C	-55	22	+85
Substrate	-	-	Lithium niobate 128	-

Notes:

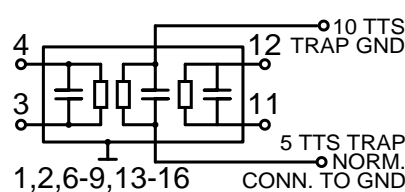
- The design, manufacturing process, and specifications of this filter are subject to change.
- Specification valid for measurements in AEC test fixture.

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: 4
 Ground (input): 3
 Signal output: 12
 Ground (output): 11
 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