

Central frequency - 75 MHz

Passband - 0.04 MHz

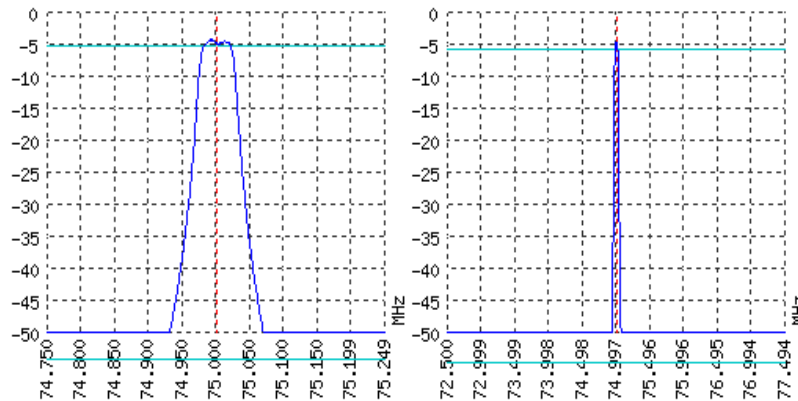
Complies with Directive 2002/95/EC (RoHS)

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



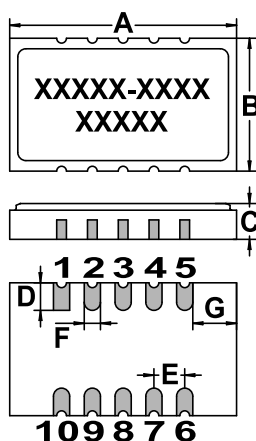
SPECIFICATIONS

Parameter	Unit	Minimum	Typical	Maximum
Central frequency	MHz	74.99	75	75.01
Insertion loss	dB	3.5	4.5	5.5
Bandwidth at -1 дБ	MHz	0.037	0.04	0.043
Bandwidth at -50 дБ	MHz	0.145	0.15	0.16
Amplitude ripple	dB	-	0.5	1
Group Delay Ripple	ns	-	-	-
Ultimate rejection	dB	-	50	-
Operating temperature	°C	-55	22	+85
Substrate	-	-	Quartz 37	-

Notes:

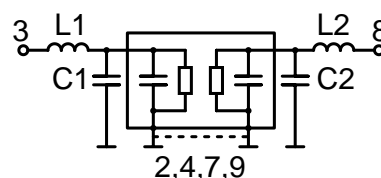
- The design, manufacturing process, and specifications of this filter are subject to change.
- Specification valid for measurements in AEC test fixture.

CASE DLCC 14/10-1

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

DIMENSIONS (mm)	
A	14
B	8.2
C	2.21
D	1.7
E	1.9
F	1
G	2.7

MATCHING



Input 50 Ohm		Output 50 Ohm	
L1, nH	390	L2, nH	270
C1, pF	4-30	C2, pF	4-30

Signal input: 3
Signal 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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