

Central frequency - 70 MHz

Passband - 0.57 MHz

Complies with Directive 2002/95/EC (RoHS)

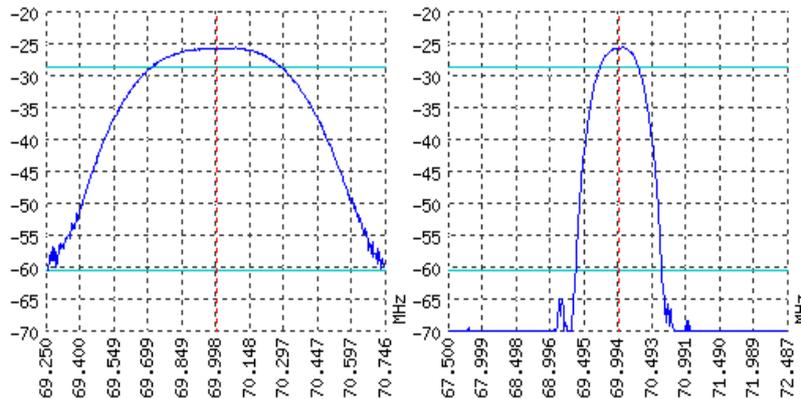


Looking for information on other SAW devices at: <http://aec-pro.com/filters.php>

Designed by: Ltd. AEC Design

Mass production: Ltd. AEC

TYPICAL PERFORMANCE



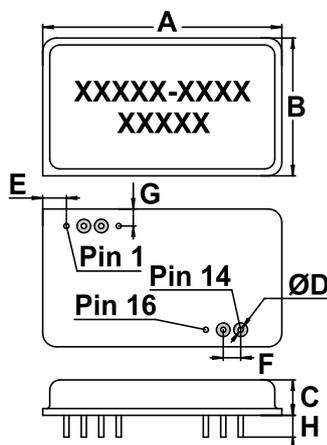
SPECIFICATIONS

Parameter	Unit	Minimum	Typical	Maximum
Central frequency	MHz	69.95	70	70.05
Insertion loss	dB	-	25	27
Bandwidth at -3 дБ	MHz	0.56	0.57	0.6
Bandwidth at -35 дБ	MHz	-	1.3	1.35
Amplitude ripple	dB	-	1	3
Group Delay Ripple	ns	-	200	-
Ultimate rejection	dB	-	45	-
Operating temperature	°C	-55	22	+85
Substrate	-	-	Quartz 42	-

Notes:

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

CASE DIP 24/7

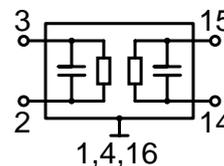


<http://aec-pro.com/cases.php>



DIMENSIONS (mm)	
A	34.85
B	20.24
C	5.2
D	0.45
E	3.45
F	2.54
H	3.2

MATCHING



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

Signal input: 3
 Ground (input): 2
 Signal output: 15
 Ground (output): 14
 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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