

Central frequency - 70 MHz

Passband - 1.34 MHz

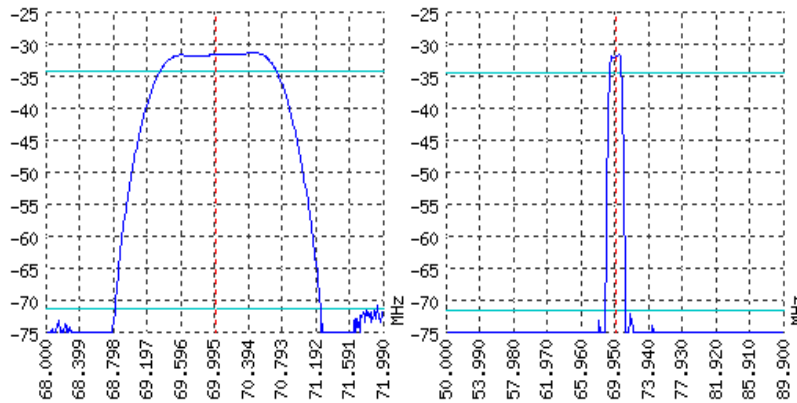
Complies with Directive 2002/95/EC (RoHS)

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



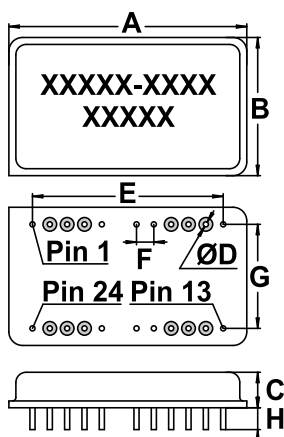
SPECIFICATIONS

Parameter	Unit	Minimum	Typical	Maximum
Central frequency	MHz	69.95	70	70.05
Insertion loss	dB	-	31	32
Bandwidth at -3 дБ	MHz	1.38	1.34	1.42
Bandwidth at -40 дБ	MHz	-	2.4	-
Amplitude ripple	dB	-	0.5	1
Group Delay Ripple	ns	150	180	200
Ultimate rejection	dB	-	40	-
Operating temperature	°C	-55	22	+85
Substrate	-	-	Quartz 42	-

Notes:

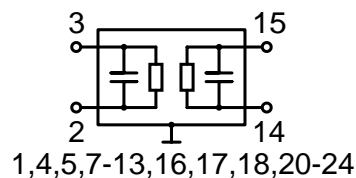
- The design, manufacturing process, and specifications of this filter are subject to change.
- Specification valid for measurements in AEC test fixture.

CASE DIP 24/22

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

DIMENSIONS (mm)	
A	34.85
B	20.24
C	5.2
D	0.45
E	27.94
F	2.54
G	15.24
H	3.2

MATCHING



Input 50 Om		Output 50 Om	
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:

- Maximum permissible input signal power in the bandwidth should be less than 100 mW.
- 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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