

Central frequency - 70.15 MHz

Passband - 0.28 MHz

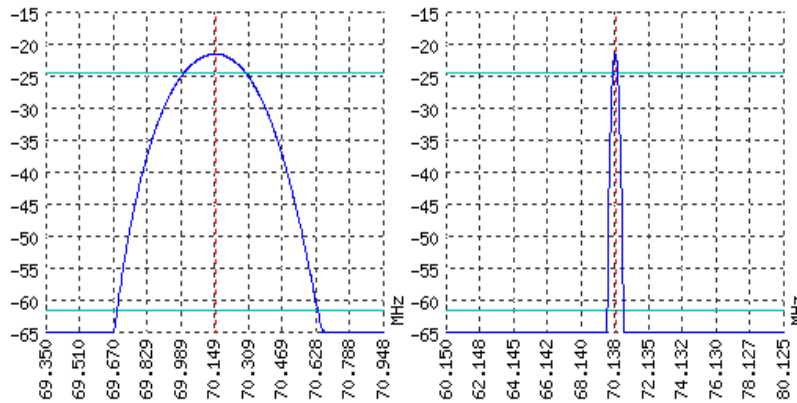
Complies with Directive 2002/95/EC (RoHS)

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



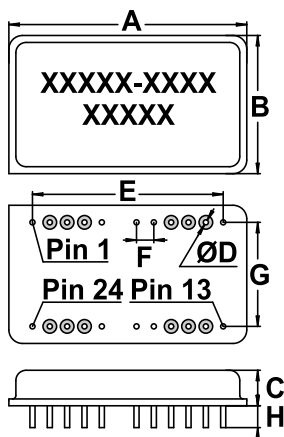
SPECIFICATIONS

Parameter	Unit	Minimum	Typical	Maximum
Central frequency	MHz	70.14	70.15	70.16
Insertion loss	dB	-	21.5	22
Bandwidth at -3 дБ	MHz	0.27	0.28	0.3
Bandwidth at -40 дБ	MHz	-	0.95	0.96
Amplitude ripple	dB	-	0.5	2
Group Delay Ripple	ns	-	-	-
Ultimate rejection	dB	-	55	-
Operating temperature	°C	-55	22	+85
Substrate	-	-	Quartz 36	-

Notes:

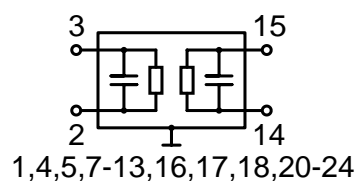
- The design, manufacturing process, and specifications of this filter are subject to change.
- Specification valid for measurements in AEC test fixture.

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:

- 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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