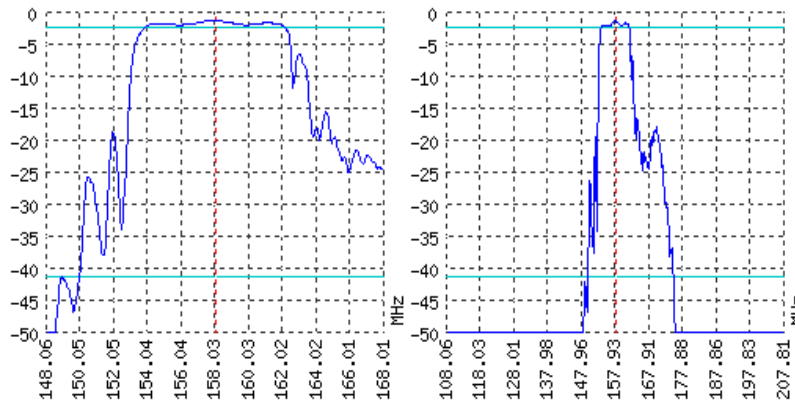


Looking for information on other SAW devices at: <http://aec-pro.com/filters.php>

Designed by: Ltd. AEC Design

Mass production: Ltd. AEC

TYPICAL PERFORMANCE



SPECIFICATIONS

Parameter	Unit	Minimum	Typical	Maximum
Central frequency	MHz	157.86	158.06	158.26
Insertion loss	dB	-	-	1.6
Bandwidth at -1 дБ	MHz	8	-	-
Bandwidth at -40 дБ	MHz	-	-	26
Amplitude ripple	dB	-	-	1
Group Delay Ripple	ns	-	-	-
Ultimate rejection	dB	-	50	-
Operating temperature	°C	-55	22	+85
Substrate	-	-	Lithium niobate 49	-

Notes:

- For information. Order a CKTH.433561.112 TY for a complete and updated data.
- Specification valid for measurements in AEC test fixture.

CASE H 04.16-2BH

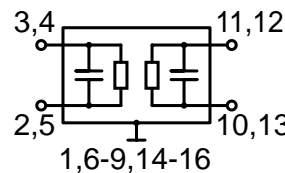
MATCHING



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

Signal input: 3,4  
 Ground (input): 2,5  
 Signal output: 11,12  
 Ground (output): 10,13  
 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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