

Central frequency - 172 MHz

Passband - 2.9 MHz

Complies with Directive 2002/95/EC (RoHS)

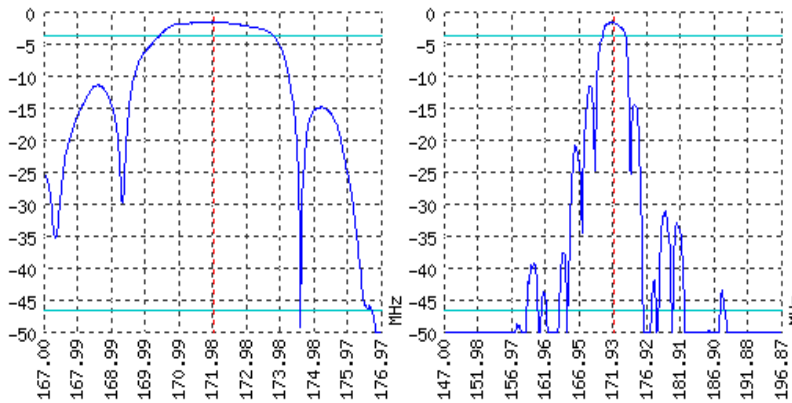


Looking for information on other SAW devices at: <http://aec-pro.com/filters.php>

Designed by: Ltd. AEC Design

Mass production: Ltd. AEC

TYPICAL PERFORMANCE



SPECIFICATIONS

| Parameter | Unit | Low frequency | Typical | Upper frequency |
|----------------------------|------|-----------------|---------------------|-----------------|
| Central frequency | MHz | - | 172 | - |
| Insertion loss | dB | - | Not more 2 | - |
| Bandwidth edge -2dB level | MHz | Not more 170.65 | - | Not less 173.3 |
| Bandwidth edge -45dB level | MHz | Not less 152.38 | - | Not more 191.24 |
| Amplitude ripple | dB | - | Not more 2 | - |
| Group Delay Ripple | ns | - | - | - |
| Ultimate rejection | dB | - | 45 | - |
| Operating temperature | °C | -55 | 22 | +85 |
| Substrate | - | - | Lithium niobate 128 | - |

Notes:

- For information. Order a ЦПАР.433561.22 TY for a complete and updated data.
- Specification valid for measurements in AEC test fixture.

CASE H 04.16-2BH

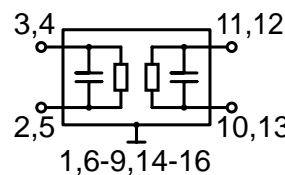
MATCHING



<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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