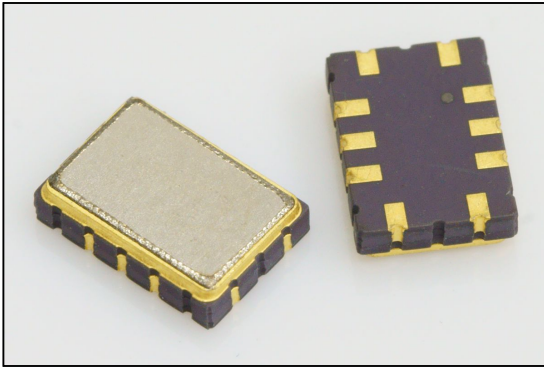


Central frequency - 193.4 MHz

Passband - 11.1 MHz

Complies with Directive 2002/95/EC (RoHS)

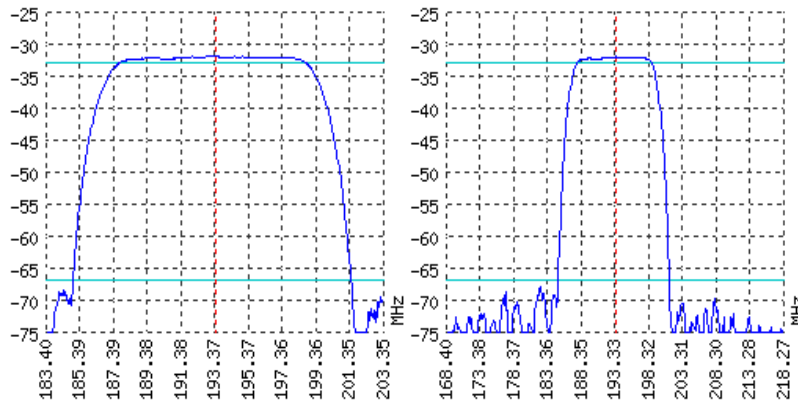


Looking for information on other SAW devices at: <http://aec-pro.com/filters.php>

Designed by: Ltd. AEC Design

Mass production: Ltd. AEC

TYPICAL PERFORMANCE



SPECIFICATIONS

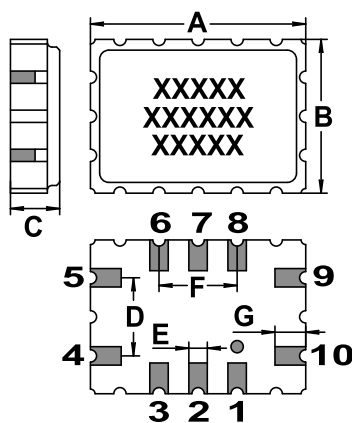
| Parameter                  | Unit | Low frequency   | Typical               | Upper frequency |
|----------------------------|------|-----------------|-----------------------|-----------------|
| Central frequency          | MHz  | -               | 193.4                 | -               |
| Insertion loss             | dB   | -               | Not more 32.5         | -               |
| Bandwidth edge -1dB level  | MHz  | Not more 188.36 | -                     | Not less 198.44 |
| Bandwidth edge -35dB level | MHz  | Not less 184.92 | -                     | Not more 201.85 |
| Amplitude ripple           | dB   | -               | Not more 1            | -               |
| Group Delay Ripple         | ns   | -               | Not more 10           | -               |
| Ultimate rejection         | dB   | -               | 35                    | -               |
| Operating temperature      | °C   | -55             | 22                    | +85             |
| Substrate                  | -    | -               | Lithium tantalate 112 | -               |

Notes:

- For information. Order a ЦПАР.433561.86 TY for a complete and updated data.
- Specification valid for measurements in AEC test fixture.

CASE QCC 12B

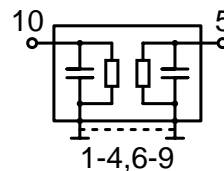
MATCHING



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



| DIMENSIONS (mm) |      |
|-----------------|------|
| A               | 7    |
| B               | 5    |
| C               | 1.6  |
| D               | 2.54 |
| E               | 0.6  |
| F               | 2.54 |
| G               | 1    |



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

Signal input: 10  
Signal output: 5  
Ground: other pin

\*Matching condition depends on PCB layout.

Recommendations:

- See the relevant ЦПАР 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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