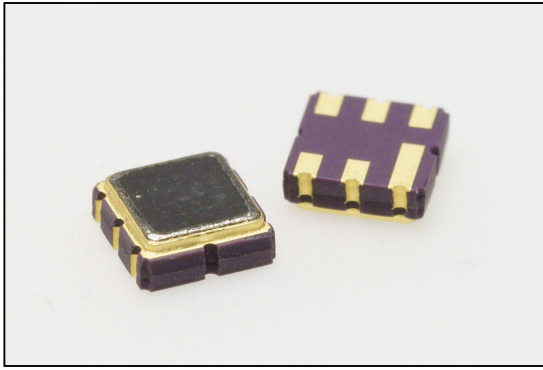


Central frequency - 428.6 MHz

Passband - 9.5 MHz

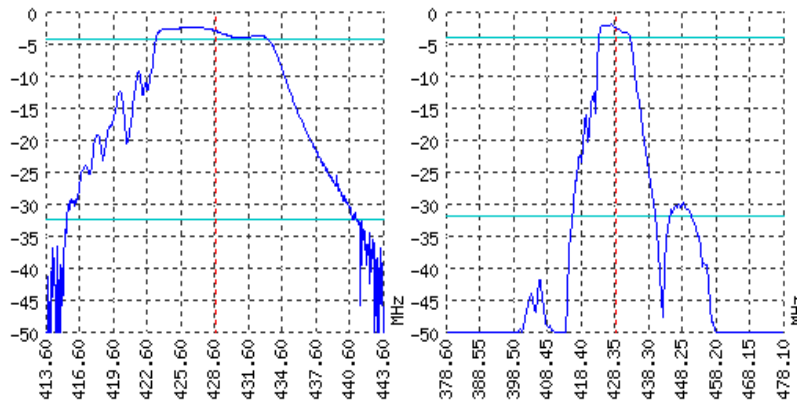
Complies with Directive 2002/95/EC (RoHS)

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



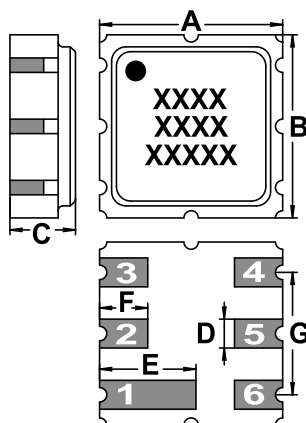
SPECIFICATIONS

| Parameter | Unit | Minimum | Typical | Maximum |
|-----------------------|------|---------|----------------------|---------|
| Central frequency | MHz | 428 | 428.6 | 429.2 |
| Insertion loss | dB | - | 1.6 | 1.9 |
| Bandwidth at -2 дБ | MHz | 9 | 9.5 | 10 |
| Bandwidth at -30 дБ | MHz | - | 39 | - |
| Amplitude ripple | dB | - | 1 | 2 |
| Group Delay Ripple | ns | - | - | - |
| Ultimate rejection | dB | - | 50 | - |
| Operating temperature | °C | -55 | 22 | +85 |
| Substrate | - | - | Lithium tantalate 36 | - |

Notes:

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

CASE 3.8SQ


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


| DIMENSIONS (mm) | |
|-----------------|------|
| A | 3.8 |
| B | 3.8 |
| C | 1.26 |
| D | 0.6 |
| E | 2 |
| F | 1 |
| G | 2.54 |

MATCHING



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

Signal input: 2
Signal output: 5
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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