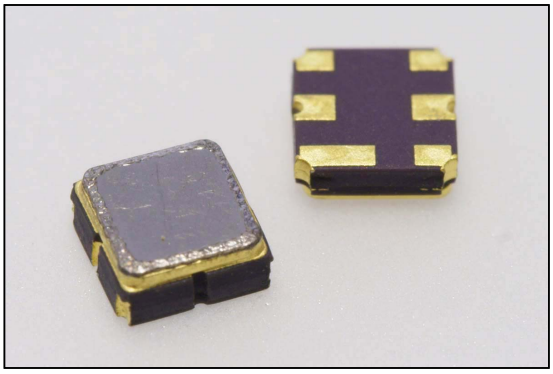


Central frequency - 1238.75 MHz

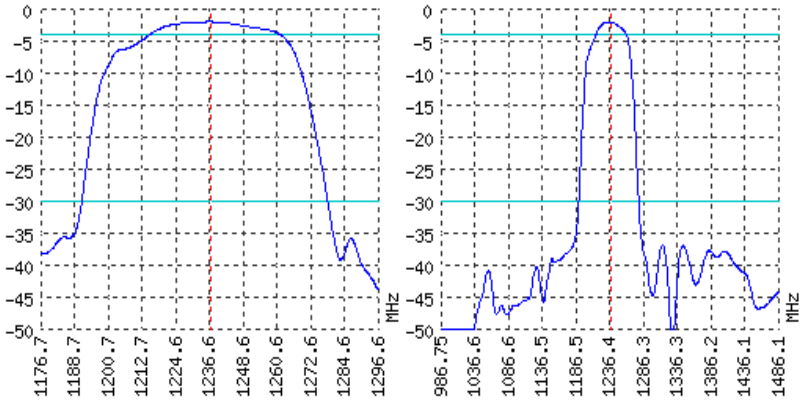
**Passband - 45.1 MHz**

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



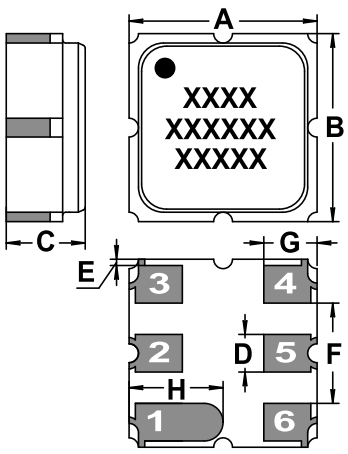

## SPECIFICATIONS

| Parameter | Unit | Low frequency | Typical | Upper frequency |
|---|---|---|---|---|
| Central frequency | MHz | - | 1238.75 | - |
| Insertion loss | dB | - | Not more 2.2 | - |
| Bandwidth edge -2dB level | MHz | Not more 1218.1 | - | Not less 1259.1 |
| Bandwidth edge -28dB level | MHz | Not less 1192 | - | Not more 1286 |
| Amplitude ripple | dB | - | Not more 2 | - |
| Group Delay Ripple | ns | - | Not more 10 | - |
| Ultimate rejection | dB | - | 28 | - |
| Operating temperature | °C | -55 | 22 | +85 |
| Substrate | - | - | Lithium niobate 64 | - |

**Notes:**

1. For information. Order a CKTH.433561.154 TY for a complete and updated data.
2. Specification valid for measurements in AEC test fixture.

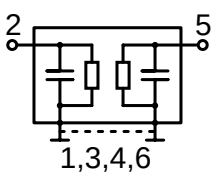
## CASE DCC 6




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

| DIMENSIONS (mm) | |
|---|---|
| A | 3 |
| B | 3 |
| C | 1.26 |
| D | 0.6 |
| E | 0.1 |
| F | 1.6 |
| G | 0.85 |
| H | 1.5 |

## MATCHING




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

**Signal input: 2**
**Signal output: 5**
**Ground: other pin**

*Matching condition depends on PCB layout.

**Recommendations:**

1. See the relevant ЦПАР for maximum permissable input signal power in the bandwidth.
2. Input signal amplitude in the stop band is limited to 5 V.
3. DC voltage at the input (output) of the filter should not exceed 10 V.
4. It is recommended to include the coupling capacitor between the device and the generator (load).
5. SAW filters are sensitive to static electricity, therefore corresponding precautions should be taken while working with them.
6. 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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