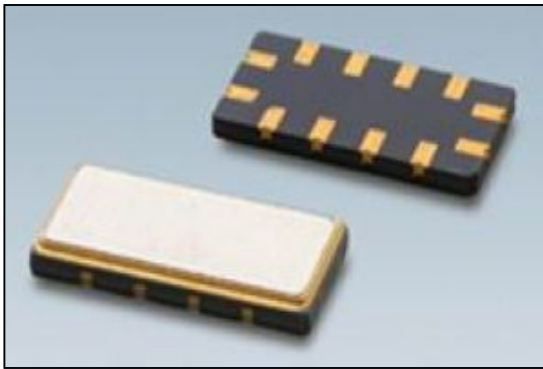


Central frequency - 350 MHz

Passband - 2.8 MHz

Complies with Directive 2002/95/EC (RoHS)

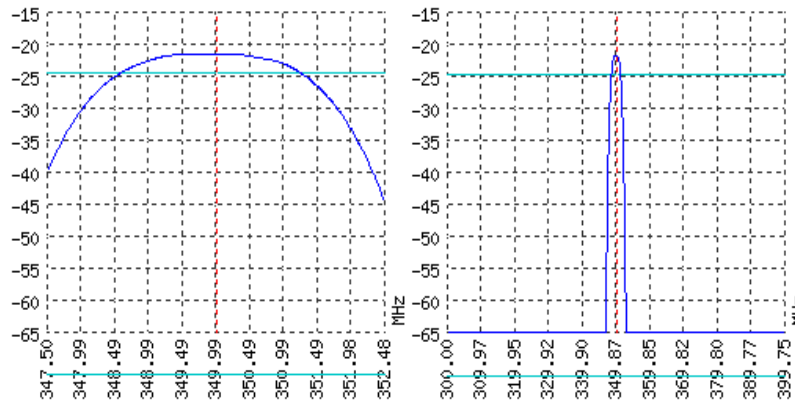


Looking for information on other SAW devices at: <http://aec-pro.com/filters.php>

Designed by: Ltd. AEC Design

Mass production: Ltd. AEC

TYPICAL PERFORMANCE



SPECIFICATIONS

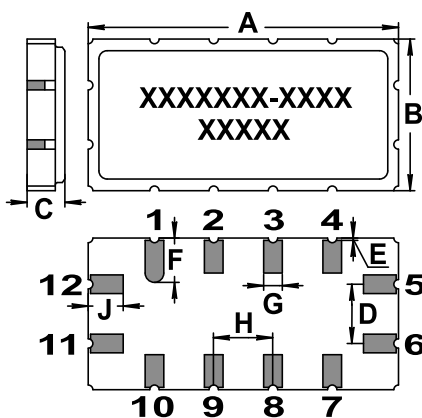
| Parameter                  | Unit | Low frequency   | Typical       | Upper frequency |
|----------------------------|------|-----------------|---------------|-----------------|
| Central frequency          | MHz  | -               | 350           | -               |
| Insertion loss             | dB   | -               | Not more 21.5 | -               |
| Bandwidth edge -3dB level  | MHz  | Not more 348.75 | -             | Not less 351.25 |
| Bandwidth edge -50dB level | MHz  | Not less 346.5  | -             | Not more 353.5  |
| Amplitude ripple           | dB   | -               | Not more 3    | -               |
| Group Delay Ripple         | ns   | -               | -             | -               |
| Ultimate rejection         | dB   | -               | 50            | -               |
| Operating temperature      | °C   | -55             | 22            | +85             |
| Substrate                  | -    | -               | Quartz 36     | -               |

Notes:

- For information. Order a CKTH.433561.99 TY for a complete and updated data.
- Specification valid for measurements in AEC test fixture.

CASE SMP53-1

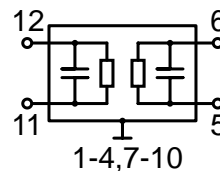
MATCHING



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



| DIMENSIONS (mm) |      |
|-----------------|------|
| A               | 13.3 |
| B               | 6.5  |
| C               | 1.62 |
| D               | 2.54 |
| E               | 0.1  |
| F               | 1.9  |
| G               | 0.8  |
| H               | 2.54 |
| J               | 1.5  |



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

Signal input: 12  
 Ground (input): 11  
 Signal output: 6  
 Ground (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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