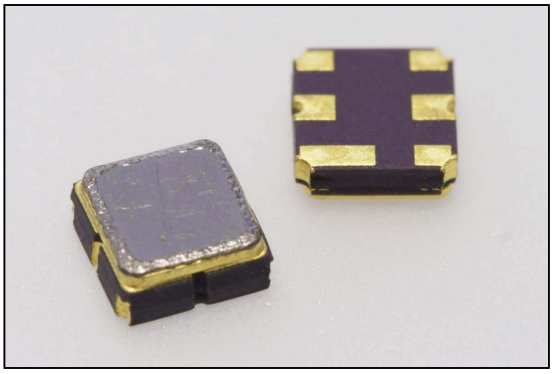


Central frequency - 1245 MHz

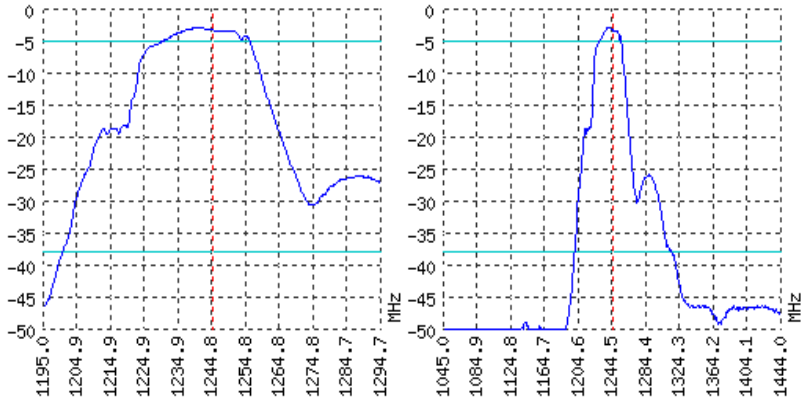
Passband - 24.8 MHz

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



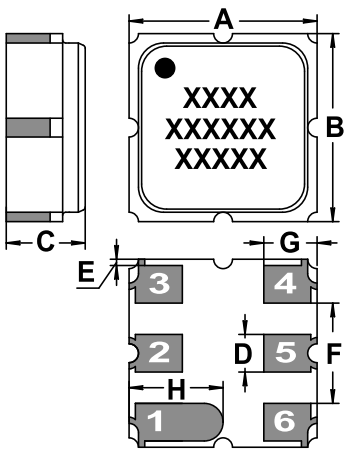
SPECIFICATIONS

Parameter	Unit	Low frequency	Typical	Upper frequency
Central frequency	MHz	-	1245	-
Insertion loss	dB	-	Not more 4	-
Bandwidth edge -2dB level	MHz	Not more 1233.75	-	Not less 1256.25
Bandwidth edge -35dB level	MHz	Not less 1198	-	Not more 1324
Amplitude ripple	dB	-	Not more 2	-
Group Delay Ripple	ns	-	-	-
Ultimate rejection	dB	-	35	-
Operating temperature	°C	-55	22	+85
Substrate	-	-	Lithium tantalate 36	-

Notes:

1. For information. Order a ЦПАР.433561.12 ТУ for a complete and updated data.
2. Specification valid for measurements in AEC test fixture.

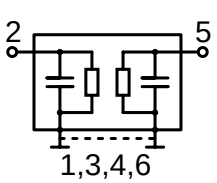
CASE DCC 6



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. Maximum permissable input signal power in the bandwidth should be less then 100 mW.
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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