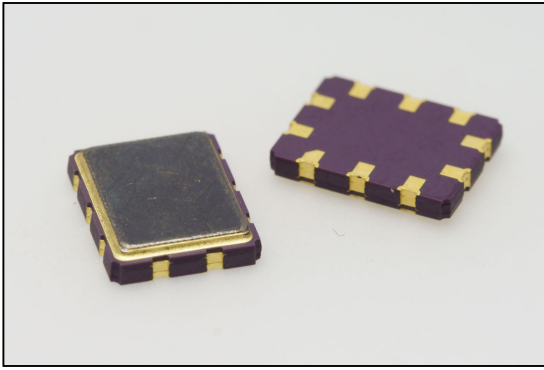


Central frequency - 161.4 MHz

Passband - 8.8 MHz

Complies with Directive 2002/95/EC (RoHS)

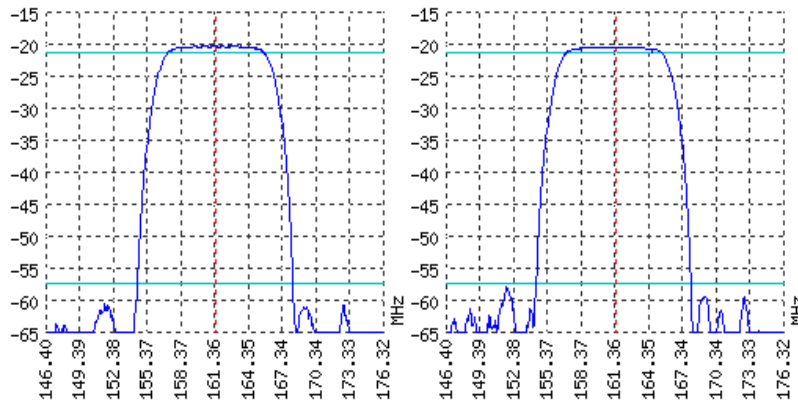


Looking for information on other SAW devices at: <http://aec-pro.com/filters.php>

Designed by: Ltd. AEC Design

Mass production: Ltd. AEC

TYPICAL PERFORMANCE



SPECIFICATIONS

Parameter	Unit	Low frequency	Typical	Upper frequency
Central frequency	MHz	-	161.4	-
Insertion loss	dB	-	Not more 21	-
Bandwidth edge -1dB level	MHz	Not more 157.5	-	Not less 165.5
Bandwidth edge -37dB level	MHz	Not less 153.4	-	Not more 169.4
Amplitude ripple	dB	-	Not more 1	-
Group Delay Ripple	ns	-	Not more 15	-
Ultimate rejection	dB	-	37	-
Operating temperature	°C	-55	22	+85
Substrate	-	-	Lithium tantalate 112	-

Notes:

- For information. Order a ЦПАР.433561.78 TY for a complete and updated data.
- Specification valid for measurements in AEC test fixture.

CASE QCC 10-1

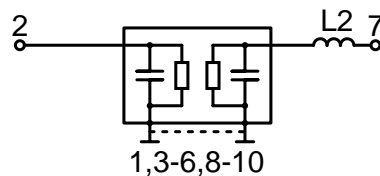
MATCHING



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



DIMENSIONS (mm)	
A	9.1
B	7.1
C	1.61
D	2.54
E	5.08
F	0.8
G	1.2
H	0.2
J	1.1



Input 50 Ohm	Output 50 Ohm
L1, nH	L2, nH 150
C1, pF	C2, pF -

Signal input: 2  
Signal output: 7  
Ground: other pin

\*Matching condition depends on PCB layout.

Recommendations:

- Maximum permissible input signal power in the bandwidth should be less than 100 mW.
- 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.

**AEK** Ltd. AEC Mass production. Acceptance - QCID.  
aec@aec-pro.com | tel./fax (812)252-93-70

**AEC** Ltd. AEC Design Design and production. Military acceptance.  
admin@aec-design.com | tel.(812)377-04-26 | fax.(812)364-60-69