

Central frequency - 115.2 MHz

Passband - 4.8 MHz

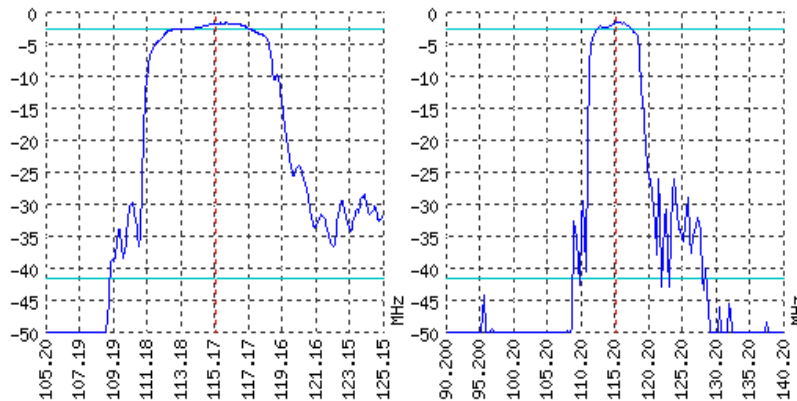
Complies with Directive 2002/95/EC (RoHS)

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



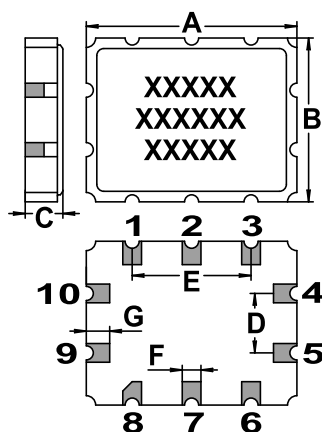
SPECIFICATIONS

Parameter	Unit	Minimum	Typical	Maximum
Central frequency	MHz	114.95	115.2	115.45
Insertion loss	dB	-	1.7	2
Bandwidth at -1 дБ	MHz	4.5	4.8	-
Bandwidth at -40 дБ	MHz	-	20	-
Amplitude ripple	dB	-	0.8	1
Group Delay Ripple	ns	-	-	-
Ultimate rejection	dB	-	50	-
Operating temperature	°C	-55	22	+85
Substrate	-	-	Lithium niobate 49	-

Notes:

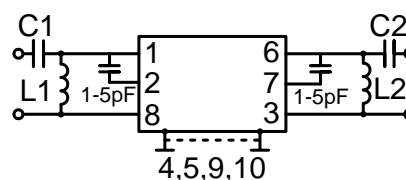
- The design, manufacturing process, and specifications of this filter are subject to change.
- Specification valid for measurements in AEC test fixture.

CASE QCC 10-1

<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

MATCHING



Input 50 Ohm		Output 50 Ohm	
L1, nH	150	L2, nH	150
C1, pF	36	C2, pF	36

Signal input: 1
 Ground (input): 8
 Signal output: 6
 Ground (output): 3
 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.



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



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