

Central frequency - 449.463 MHz

Passband - 0.4 MHz

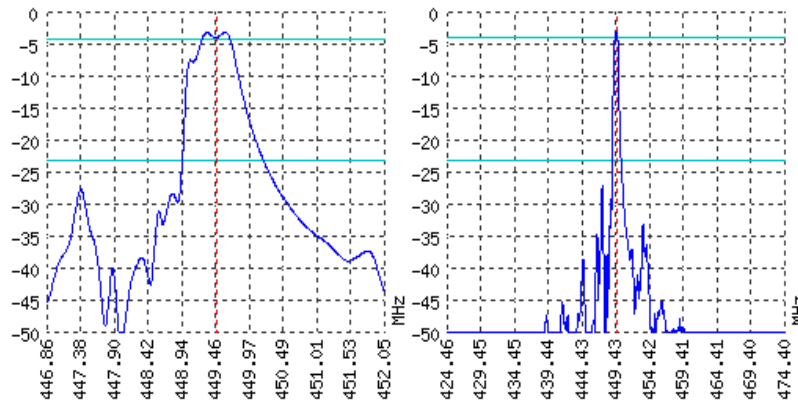
Complies with Directive 2002/95/EC (RoHS)

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

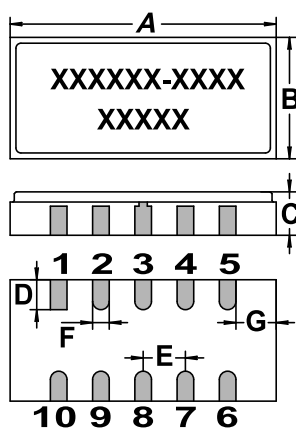
Parameter	Unit	Minimum	Typical	Maximum
Central frequency	MHz	449.413	449.463	449.513
Insertion loss	dB	2.8	3.3	4
Bandwidth at -1 дБ	MHz	0.38	0.4	0.45
Bandwidth at -20 дБ	MHz	1.25	1.3	1.4
Amplitude ripple	dB	-	0.8	1
Group Delay Ripple	ns	-	-	-
Ultimate rejection	dB	-	40	-
Operating temperature	°C	-55	22	+85
Substrate	-	-	Quartz 36	-

Notes:

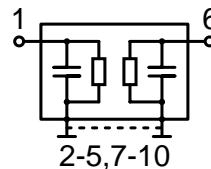
- The design, manufacturing process, and specifications of this filter are subject to change.
- Specification valid for measurements in AEC test fixture.

CASE DLCC 10/10-1

MATCHING

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

DIMENSIONS (mm)	
A	16
B	7.3
C	2.61
D	1.8
E	2.54
F	1
G	2.42



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

Signal input: 1
Signal output: 6
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.



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