

Central frequency - 96 MHz

Passband - 0.3 MHz

Complies with Directive 2002/95/EC (RoHS)

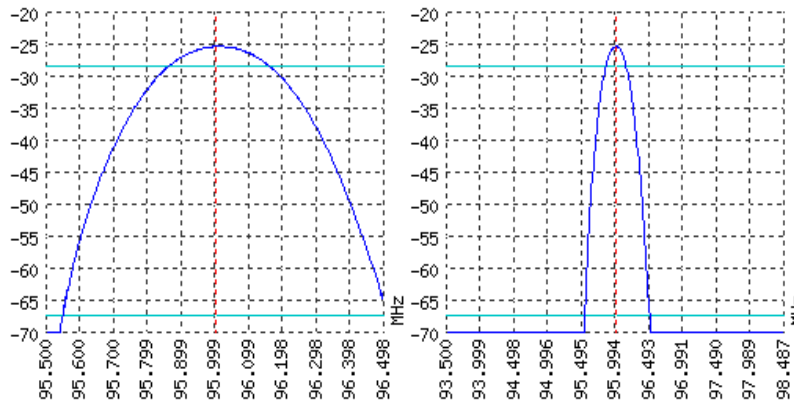


Looking for information on other SAW devices at: <http://aec-pro.com/filters.php>

Designed by: Ltd. AEC Design

Mass production: Ltd. AEC

TYPICAL PERFORMANCE



SPECIFICATIONS

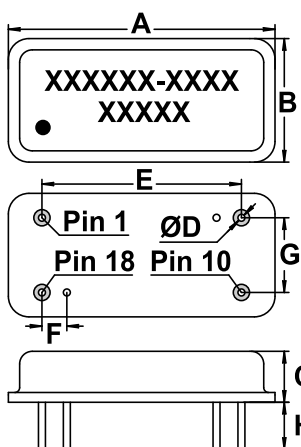
Parameter	Unit	Low frequency	Typical	Upper frequency
Central frequency	MHz	-	96	-
Insertion loss	dB	-	Not more 27	-
Bandwidth edge -3dB level	MHz	Not more 95.875	-	Not less 96.14
Bandwidth edge -42dB level	MHz	Not less 95.4	-	Not more 96.6
Amplitude ripple	dB	-	Not more 3	-
Group Delay Ripple	ns	-	-	-
Ultimate rejection	dB	-	42	-
Operating temperature	°C	-55	22	+85
Substrate	-	-	Quartz 36	-

Notes:

- For information. Order a CKTH.433561.107 TY for a complete and updated data.
- Specification valid for measurements in AEC test fixture.

CASE DIP 18

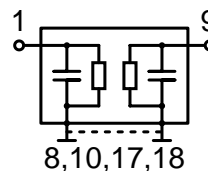
MATCHING



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



DIMENSIONS (mm)	
A	27.2
B	12.6
C	5.2
D	0.45
E	20.32
F	2.54
G	7.62
H	4.8



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

Signal input: 1  
Signal output: 9  
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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