

Central frequency - 25 MHz

Passband - 0.25 MHz

Complies with Directive 2002/95/EC (RoHS)

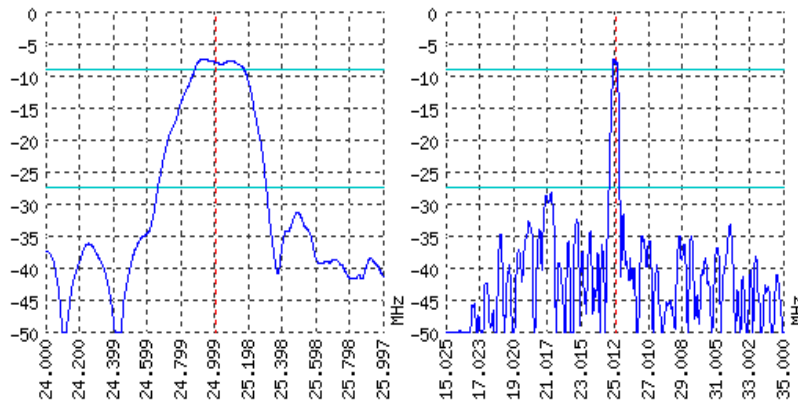


Looking for information on other SAW devices at: <http://aec-pro.com/filters.php>

Designed by: Ltd. AEC Design

Mass production: Ltd. AEC

TYPICAL PERFORMANCE



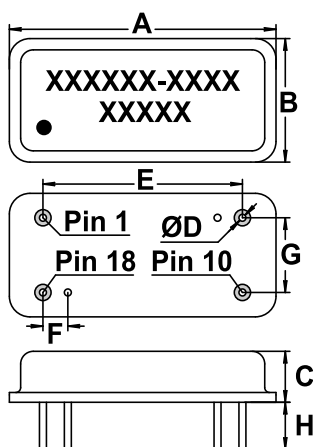
SPECIFICATIONS

Parameter	Unit	Minimum	Typical	Maximum
Central frequency	MHz	24.95	25	25.05
Insertion loss	dB	-	-	8.5
Bandwidth at -1.5 дБ	MHz	0.25	-	-
Bandwidth at -20 дБ	MHz	-	-	0.7
Amplitude ripple	dB	-	-	1.5
Group Delay Ripple	ns	-	-	-
Ultimate rejection	dB	-	2025	-
Operating temperature	°C	-55	22	+85
Substrate	-	-	Lithium niobate 128	-

Notes:

- For information. Order a CKTH.433561.109 TY for a complete and updated data.
- Specification valid for measurements in AEC test fixture.

CASE DIP 18

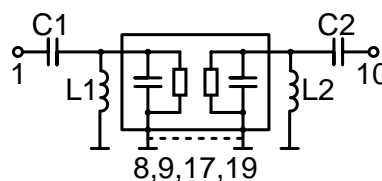


<http://aec-pro.com/cases.php>



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

MATCHING



Input 50 Om		Output 50 Om	
L1, nH	797	L2, nH	400
C1, pF	60	C2, pF	121

Signal input: 1  
Signal output: 10  
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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