

Central frequency - 48.384 MHz

Passband - 0.45 MHz

Complies with Directive 2002/95/EC (RoHS)

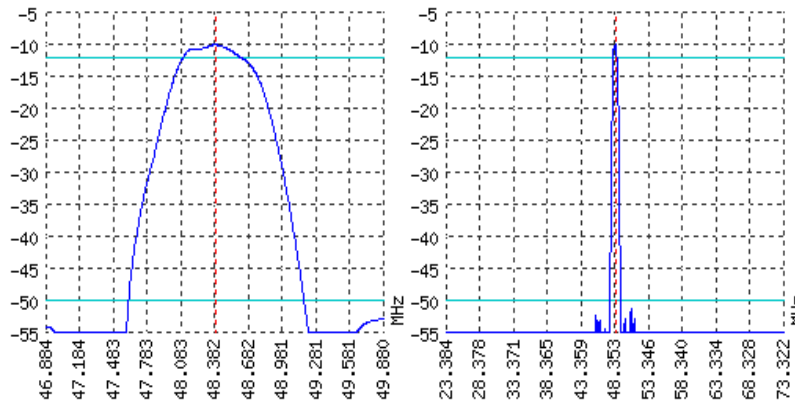


Looking for information on other SAW devices at: <http://aec-pro.com/filters.php>

Designed by: Ltd. AEC Design

Mass production: Ltd. AEC

TYPICAL PERFORMANCE



SPECIFICATIONS

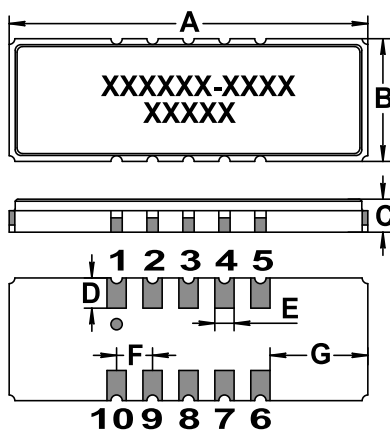
Parameter	Unit	Minimum	Typical	Maximum
Central frequency	MHz	48.354	48.384	48.414
Insertion loss	dB	-	-	10.5
Bandwidth at -2 дБ	MHz	0.45	-	-
Bandwidth at -40 дБ	MHz	-	-	1.6
Amplitude ripple	dB	-	-	1
Group Delay Ripple	ns	-	-	-
Ultimate rejection	dB	-	45	-
Operating temperature	°C	-55	22	+85
Substrate	-	-	Quartz 36	-

Notes:

- For information. Order a CKTH.433561.280 TY for a complete and updated data.
- Specification valid for measurements in AEC test fixture.

CASE SMP-75

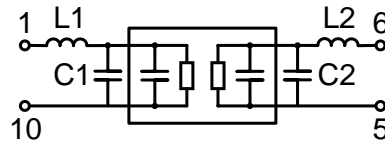
MATCHING



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



DIMENSIONS (mm)	
A	19
B	6.5
C	1.75
D	1.6
E	1.02
F	1.905
G	5.18



Input 50 Om		Output 50 Om	
L1, nH	1233	L2, nH	1380
C1, pF	14-70	C2, pF	14-70

Signal input: 1
Ground (input): 10
Signal output: 6
Ground (output): 5
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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