ABF128-SMA

VHF AIRBAND FILTER

The AOR ABF128-SMA is a receive bandpass filter especially designed for serious VHF Airband listeners. This filter improves the strong signal handling characteristics of scanners and wideband receivers that utilized SMA type antenna connector for VHF commercial Airband listening.

The ABF128-SMA is suitable for connection to most scanners and wideband receivers on the market, regardless of brand. The addition of this filter to the antenna's signal path provides additional selectivity which enables the receiver's circuitry to better cope with strong interfering signals that can leak into the 108-136 MHz VHF air band.

The ABF128-SMA provides additional selectivity to any receiver's front end by reducing a multitude of unwanted strong signals from reaching and saturating the receiver's first mixer stage. This results is less interference and improved reception.

The ABF128-SMA offers excellent out-of-band attenuation typically of 40 dB below 87MHz and 40 dB above 170MHz. This makes the ABF128 suitable for connection to both external antennas and for connection directly under the whip antenna of a hand-held receiver.

A SMA jack (female) is mounted to the top of the ABF128-SMA and a SMA plug (male) to the other making connection to an antenna easy and straight forward.

The ABF128-SMA is not an amplifier so will not boost signals, however the additional selectivity offered can significantly improve reception in many situations by removing unwanted strong signals which may overload the receiver and reduce it's effectiveness.

When any connection is fitted to the antenna signal path some reduction of signal is resulted (attenuation) however the ABF128-SMA in band attenuation level is very small due to the excellent in band V.S.W.R. of 2:1 resulting in a loss of only about 4 dB.

ABF128-SMA SPECIFICATIONS

Model	ABF128-SMA
Band-Pass Coverage	108 to 136MHz
Nominal Impedance	50Ω
Insertion Loss	4dB
Attenuation typically below 87MHz	40dB minimum
Attenuation typically above 170MHz	40dB minimum
V.S.W.R	Less than 2:1
Input / Output Connector	SMA-J / SMA-P
Dimensions (Approx.)	21x 13 x 8mm
Weight (Approx.)	10g

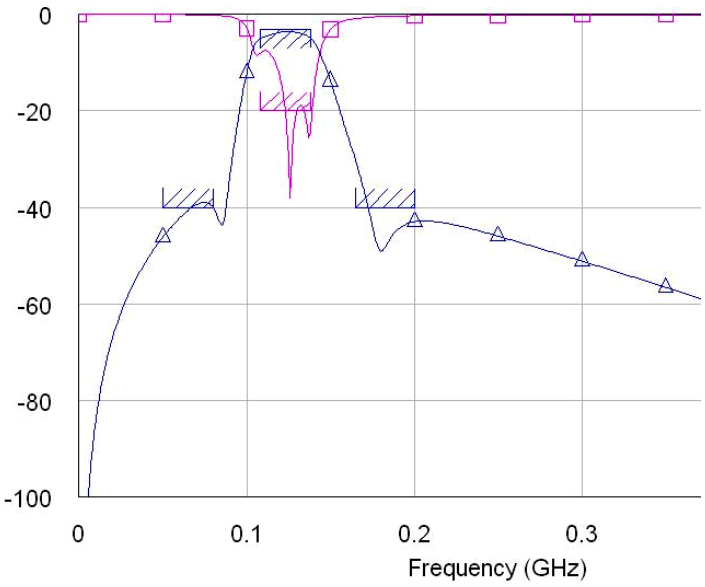
Note: Remember to remove the ABF128-SMA from the antenna input when monitoring signals other than VHF Airband or signal strength will be dramatically reduced.

Specifications subject to change without prior notice.
E. & O.E.

Photo shows AOR AR-Mini receiver with ABF128-SMA filter.

ABF128-SMA Frequency Response

Vertical Scale : Attenuation in dBm
Center Frequency : 125MHz



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