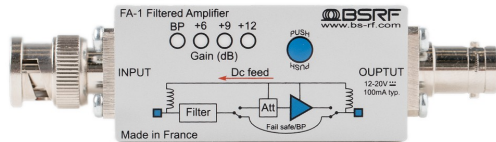


# FA-1

Filtered Amplifier with fail safe



## Features:

- ▶ Filtering before amplifying to reduce outband interference
- ▶ 4 amplification steps
- ▶ Fail safe, still work with no supply
- ▶ Can be used to filter output of amplifier (up to 1W)
- ▶ Custom filter on request
- ▶ High linearity amplifier
- ▶ DC through
- ▶ 10-18V operating voltage

## Specifications:

|             |                                        |                                           |
|-------------|----------------------------------------|-------------------------------------------|
| Band-1      | 470-520MHz                             | @-3dB                                     |
| Band-2      | 520-570MHz                             | @-3dB                                     |
| Band-3      | 570-620MHz                             | @-3dB                                     |
| Band-4      | 620-670MHz                             | @-3dB                                     |
| Custom band | On request bandwidth: 20/35/60/120 MHz | @-3dB                                     |
| Gain        | 0dB up to +12dB                        | With DC feed                              |
| Gain        | -2dB typ.                              | With NO DC feed<br>Depend on filter width |
| DC feed     | 10-18V                                 | 200mA max                                 |
| RF in       | BNC / N(OPT)                           | 50 ohms                                   |
| RF out      | BNC / N(OPT)                           | 50 ohms                                   |
| Supply      | 10-18V/100mA typ.                      |                                           |
| Size        | 94x20x24mm                             | With connectors                           |
| Weight      | 100g                                   |                                           |

(Subject to change without notice)

The FA-1 is a filtered inline amplifier powered through coax (DC-feed).

If you want to prevent your Rx's from external interference and also compensate loss in your coax, the FA-1 is what you need. Built-in small cavity filter coupled with high linearity helps you to get the best from your receivers.

The FA-1 can be used with passive antennas and also active ones.

As we always try to add some special feature to our products, the FA-1 can be used without powering and behave as a simple filter, this way you can use it with receivers or IEMs!

BSRF designs and produces systems allowing to achieve extended radio coverage.

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