

tube frequency filters with a diameter of 22 mm hermetic and non-hermetic execution

series
OF



OF tube filters are a variation of RF tube filters, however with a larger diameter (instead of 20 mm - 22 mm) and with a different connection design (they are shorter), so more space was available for the printed circuit. It is possible to make a more complex filter, for example with larger steep slopes, without increasing the length of filters, which in the case of fixing them on multitaps in gang boxes has a significant meaning.

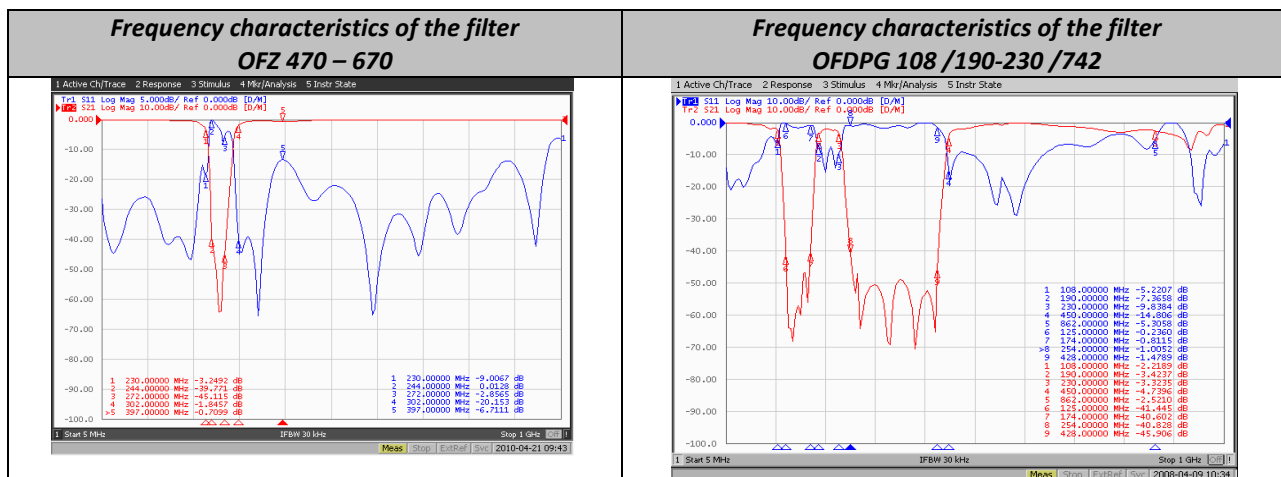
The filter structure OF .. also allows them to be made in a hermetic version (h-OFZ ...). Then they have additional orings (photo next to it) sealing both the F connections and the housing itself. As a result, atmospheric influences are limited when the filters are installed in external boxes



OF filters, like RF, are made in **undetectable tubular casings**, providing high shielding efficiency and convenient assembly - e.g. directly on the outputs of multitaps without the need for additional connectors or connection cables. Filter connections have profiled hexagons for key number 11, which facilitates mounting on all outputs of multitaps, including internal ones. The connections are ZnAl alloys, which are galvanically plated with zinc Zn (it is possible to manufacture NiTin coatings (nickel-Ni / tin-Sn) - RF ./ ns ...). The external filter housing is an aluminum tube with a diameter of 22 mm and a thickness of 1 mm.

Frequency filters are usually made according to the client's assumptions, meaning detailed characteristics for each type can be different. The slopes obtained depend on the damped band, usually 2-3 channels to obtain 40 dB damping. The following shows examples of the characteristics for OFZ 65-614 and OFD 574. The characteristics of the hermetic filters are identical.

Careful assembly, based on modern technology, individual tuning and checking the parameters of each filter in the production process ensures compliance of the parameters obtained with the catalog data. Observing all the implemented Quality Management Procedures ISO 9001: 2008 ensures high quality and repeatability of all products for sale.



TECHNICAL PARAMETERS:

1. Damping parameters:

All tubular filters produced have better damping characteristics than:

- coupling damping in the bandwidth < - 1 dB, characteristic frequencies < - 3 dB,
- damper in the banding range > - 40 dB
- suppression of mismatch in the transmission band > 10 dB,

2. Screening effectiveness: > 95 dB

3. Input: 75Ω asymmetrical impedance, male plug "F" conforming to IEC 169-24.

4. Output: 75Ω asymmetrical impedance, "F" female plug according to IEC 169-24.

5. Construction: F-connectors ZnAl alloy galvanically coated Zn (standard version) or coated NiTin (special design), external casing - aluminum tube with a diameter of 22 mm (temporarily 22.5 mm).

Wszystkie elementy biernie CATV produkcji PTH „MATT” spełniają wymagania Ministerstwa Łączności na „Elementy składowe sieci telewizyjny kablowych” określone w zał. Nr 21 do Rozp. Min. Łączności z dn. 04.09.1997r, normy UE EN 50083-1, EN 50083-2, EN 50083-4 oraz są zgodne z dyrektywą UE w zakresie RoHS.



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