

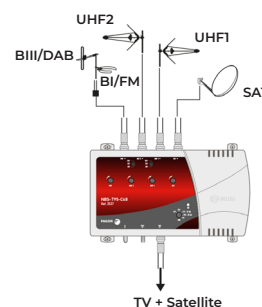
## BROADBAND AMPLIFIERS

## NBS 700 Series

Amplifies, equalises and combines analogue or digital radio and television signals in medium-sized installations.

## FEATURES

- NBS 700 series medium-power broadband amplifiers.
- Each UHF input has a switch to select the power supply for the mast pre-amplifiers: 0, 12 or 24V. Adjustable output power from -3 to 0 dB.
- The NBS-795 model features LNB power supply; a switch allows you to choose from 5 different options: 0, 13V, 13V/22kHz, 18V and 18V/22kHz. Very low noise figure.
- Inter-stage input attenuators.
- Switched-mode power supply.
- Indoor installation and wall mounting.



| MODEL                                 |      | NBS-701-C48                                                                                 | NBS-704-C48                   | NBS-795-C48                                                             |
|---------------------------------------|------|---------------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------|
| Part number                           |      | 3535                                                                                        | 3536                          | 3537                                                                    |
| Inputs                                |      | 1                                                                                           | 3<br>VHF - 2xUHF              | 4<br>VHF - 2xUHF - FI SAT                                               |
| Frequency band                        | MHz  | 47-694                                                                                      | VHF: 88-240<br>2xUHF: 470-694 | VHF: 88-240<br>2xUHF: 470-694<br>FI-SAT: 950-2400                       |
| Gain                                  | dB   | 35                                                                                          | VHF: 22<br>2xUHF: 35          | VHF: 22<br>2xUHF: 35<br>FI-SAT: * 28-35                                 |
| Gain control                          | dB   | 0 - 15                                                                                      | 0 - 15                        | 0-15                                                                    |
| Slope control                         | dB   | 0-12<br> | -                             | -                                                                       |
| Band ripple                           | dB   | ±2                                                                                          | VHF: ±2<br>2xUHF: ±2          | VHF: ±2<br>2xUHF: ±2<br>FI-SAT: ±2                                      |
| Outputs                               | dB   | 1                                                                                           | 1                             | 1                                                                       |
| Output test                           | dB   |                                                                                             | -30                           |                                                                         |
| Output level                          | dBμV | ** 115                                                                                      | VHF: ** 115<br>2xUHF: ** 115  | VHF: ** 115<br>2xUHF: ** 115<br>FI-SAT: *** 120                         |
| Noise figure                          | dB   | 6                                                                                           | VHF: 7<br>2xUHF: 7            | VHF: 7<br>2xUHF: 7<br>FI-SAT: 9                                         |
| Input/output return loss              | dB   | 10                                                                                          | 10                            | VHF-2xUHF: 10<br>FI-SAT: 8                                              |
| Voltage/current mast preamplification |      | 12-24 V<br>100mA                                                                            | 2xUHF: 12-24V<br>100 mA       | 2xUHF: 0-12-24 V · 100 mA<br>FI SAT: 0-13-18V · 100 mA<br>LNB: 0-22 kHz |
| Power supply (+10% -15%)              | VAC  | 110-240                                                                                     |                               |                                                                         |
| Consumption                           | W    | 5                                                                                           | 7                             | 12                                                                      |
| Consumption                           | mm   | 210 x 140 x 50                                                                              |                               |                                                                         |
| Weight                                | g    | 554                                                                                         | 564                           | 594                                                                     |

\* SAT Gain 28 dB at 950 MHz, 35 dB at 2400 MHz \*\* (DIN-45004B IMD -60 dB) \*\*\* (EN 50083-3 IMD -35 dB)