



Autoprogrammable TV amplifier SMART AMP series

art. 7471L2
SMART AMP - 1 IN - 5G

self-programmable SMART AMP amplifier suitable for the amplification of DTT signals in small and medium-sized TV systems.

High performance channel filters (adjacent channel separation >35 dB) make it ideal in areas where signals are received from different directions and with different power levels.

Thanks to the intelligent self-programming, the amplifier does not need to be programmed in advance because, once installed on the TV system, it autonomously scans all the signals received by the inputs and automatically selects the signals to be amplified.

To force a channel scan, unpower and repower the amplifier within 4 seconds.

Equipped with 1 VHF+UHF broadband input, amplified and equipped with AGC (Automatic Gain Control), and 1 output with equalized signal level at 90 dBμV.

Cut off of 5G and 4G frequencies (694 ÷ 862 MHz) on all the inputs, starting from E48 channel.

Equipped with a switch to enable the conversion function for double channels.

"Dupl. Ch." switch OFF: in the case of a signal is received from several antennas, the amplifier amplifies the signal with the highest power level, excluding the weakest one.

"Dupl. Ch." switch ON: the amplifier also amplifies the weakest signal, converting it into one of the free frequencies of the 5G and 4G bands (694 ÷ 862 MHz).

It is realized in shielded housing with screw F-type connectors. Tilting case for quick installation.

N. 1 power supply, n. 1 mast fixing accessory (for outdoor installation) and n. 1 wall fixing accessory for the amplifier (for indoor installation) included.

Characteristics

- Intelligent self-programming: scan of all the signals received by the inputs and automatic selection of signals to be amplified
- Switch for converting double channels to 5G and 4G band
- High selectivity channel filters (> 35 dB on adjacent channels)
- Automatic Gain Control (AGC)
- Output signals all equalized at 90 dBμV
- LED for indicating the presence of current

Code	7471L2
Item	SMART AMP - 1 IN - 5G
Suitable for TV systems with no. outlets	10 max
No. of inputs	1
Type of inputs	VHF+UHF
Input frequency range	MHz VHF: 174 ÷ 240 UHF: 470 ÷ 694
LTE band rejection (790 ÷ 862 MHz)	dB > 40
Input sensitivity	dBμV 40
No. of outputs	1
Output power	dBμV 90
Gain adjustment	AGC
Output frequency range: "Dupl. Ch." switch OFF "Dupl. Ch." switch ON	MHz MHz 174 ÷ 694 174 ÷ 862
LTE band re-used for double channels conversion	MHz 694 ÷ 862
Adjacent channel isolation	dB >35
Power supply (DC over coax on OUT connector)	12 Vdc - 250 mA
Dimensions (LxWxH)	mm 112x55x100
Packaging dimensions (LxWxH)	mm 270x225x70
Packaging weight	Kg 0,619
Product weight	Kg 0,226
Fit temperature	°C -20 ÷ +50
Compliant to	2014/53/UE, 2011/65/UE

Technical data refer to a temperature of 25 °C

Example of application

