Data sheet



DTI

₹ 230 V~

INDOOR

OUTDOOR

AGC

HIGH SHIELDING

SIT

CONN. F

10

MAX



Autoprogrammable TV amplifier

SMART AMP series

art. 7473L2 SMART AMP - 3 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 3 VHF+UHF broadband inputs, all amplified and equipped with AGC (Automatic Gain Control), and 1 output with equalized signal level at 90 dB μ V. 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

"Dupl. Ch." switch ON: the amplitier also amplities 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.

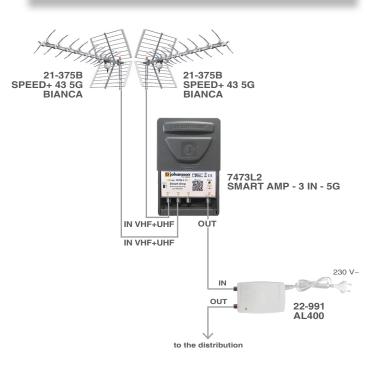
Characteristics

- 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)

Code		7473L2
Item		SMART AMP - 3 IN - 5G
Suitable for TV systems with no. outlets		10 max
No. of inputs		3
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 - 300 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

- Automatic Gain Control (AGC)
- Output signals all equalized at 90 dBµV
- LED for indicating the presence of current

Example of application



Technical data refer to a temperature of 25 °C

Offel s.r.l.

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