

AMB 700 Series

A new concept in mast amplifiers. Both models include a different combination of band pass and stop band filters, configurable upon request on the factory, enabling an exceptional operation in a reception sites where two UHF antennas are required. For reception sites just in the border of the coverage area, a switchable DC power in both inputs, enable the use antennas with active dipoles. Depending of the cable run and the numbers of outlets to be feed we offer two models, AMB 700 or AMB 701 with different gain.

APPLICATION

Specially designed for DTT reception.

CHARACTERISTICS

- Gain regulation independent of the noise figure.
- Exceptional protection against ingress noise.
- High screening mechanical concept.
- F type connectors.
- Extra operational input level range.
- Keeps unaffected the antenna signal quality achieved for the antenna system directivity.
- Applicable in areas of overlapping coverage in SFN.

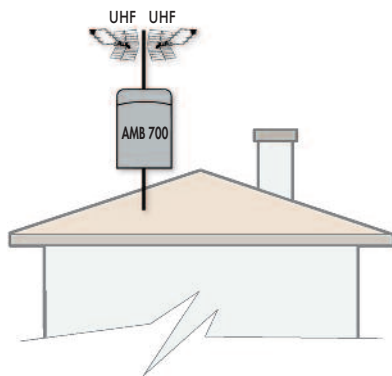


Supply voltage	$24 \pm 10\% \text{ Vdc}$
Operating temperature range	$-20 \div 60 \text{ }^{\circ}\text{C}$

MODEL	AMB 700				AMB 701			
Reference	365xx*							
N° of inputs	4							
Bands	FM 88 ÷ 108	BIII - DAB 174 ÷ 230	UHF1 (see Fig. 1)	UHF2 (see Fig. 1)	FM 88 ÷ 108	BIII - DAB 174 ÷ 230	UHF1 (see Fig. 1)	UHF2 (see Fig. 1)
Gain	15	20	26	26	15	26	36	36
Gain regulation	20	20	15	15	20	20	15	15
Output level DIN 45004B-60	106	106	111		106	106	111	
Input / output impedance	75							
Noise figure	4	4	4	4	4	4	3	3
Selectivity	15 dB, band filters @ C ± 3 (see Fig. 1) 12 dB, band filters @ Ch. ± 4							
Rejection out of band	Compliance with EN 50083 -2 "Antenna Input Resistance"							
Supply voltage	24 ± 10%							
Consumption	70				70			
DC pass	—	—	30	30	—	—	30	30
Dimensions	170 x 105 x 50							
Weight	0,355							

* Indicate the channels to be received by each UHF input.

AMB 700



¿How to choose the most convenient amplifier?

1. Select the model of amplifiers depending on the type of filter: split band, channel pass and band pass.
2. After selecting the model, you must define the channels you want to receive.

MODEL	TYPE OF FILTER	CHANNELS TO BE DEFINED
1	SPLIT BAND 	UHF 1 21 - C1=... UHF 2 C2=... - 69
2	CHANNEL PASS 	UHF 1 C=... UHF 2 Rest of band
3	BAND PASS 	UHF 1 C1=; UHF 2 C2= UHF 2 Rest of band