



DESCRIPTION

The SABAL series of amplifiers has been specially designed for distribution of TV signals -up to 862 MHz or 2300 MHz-.

Designed to work under adverse weather conditions, their circuit is integrated in a Zamak box, which ensures correct operation of the amplifier.

The DA 353 and WBA 433 models allow return path operation and have slope control for the direct way.

The HA 405 model is specially designed for amplifying both analogue and DTT signals coming from several antennas. It has 5 inputs with independent regulation and 40 dB gain. The amplifier has been optimised by specific circuits which protect it against telecommunications services on adjacent frequency bands.

Built-in switch mode power supply.

Supply voltage	230 Vac \pm 15 %
Power consumption	12 W
Operating temperature range	0 \div 50°C

TECHNICAL SPECIFICATIONS

MODEL	HA 405				DA 353		DA 354		WBA 433			
Reference	35945				35920		35924		35930			
No. of inputs	BI 1	FM 1	BIII 1	UHF 2	1		1		1			
Band covered	MHz	47 - 68	87,5 -108	174 -230	470 - 862	5 \div 30**	47 \div 862	5 \div 30**	47 \div 862	5 \div 30**	47 \div 862	950 \div 2300
Max. output level* (DIN 45004 B)	dB μ V	116				117	116	117	121 (IM2=115 dB μ V)	—	116	117
Input / output impedance	Ω	75										
Return losses	dB	10				15	10	15	10	15	10	6
Gain	dB	40	30	40	40	15	35	15	35	-2	35	34 - 41
Level regulation	dB	20	20	20	20	20	20	20	20	—	20	20
Equalisatio - Variable - Switchable	dB	—		—		—	20	—	20	—	20	— 7/14
TEST output	dB	1 OUT				1 IN - 1 OUT		1 IN - 1 OUT		1 IN - 1 OUT		
TEST output attenuation	dB	30										
Noise figure (typ.)	dB	4,5	5,5	7,5	6,5	9	6	9	6	—	6,5	8,5
Input/output connectors		F (f)										
Weather protection		IP63										
Packing dimensions	mm	280 x 175 x 60										
Weight	Kg.	3,1										

* 950-2300 MHz: IM3 at -35 dB
47-862 MHz: IM3 at -60dB

**DA 353 A (Ref. 35922): 5 \div 66 return path

**WBA 433 A (Ref. 35932): 5 \div 66 return path

**DA 354 A (Ref. 35925): 5 \div 66 return path