

## ► SAT-IF DISTRIBUTION SYSTEM

### MT-5W. Head-Amplifier (Pay TV Approved)

Amplification of 4 SAT-IF Polarizations and 1 Terrestrial Signal for compensating distribution losses in 5 cable distribution systems.

Active SAT and TERR. Continuous attenuation and equalization adjustments.

Local powering (+18 VDC) using the PS1801DC power supply (see below).

The +18V DC voltage is connected directly to the SAT 1H and SAT 2H inputs and can be switched on (LED indicator) to the SAT 1H and SAT 2H outputs.

Also the +13V DC can be switched on (LED indicator) to the SAT 1V and SAT 2V inputs (to power the Vertical polarity of the LNB).

Sheet metal housing. Indoor mounting. Wall fixing. Earthing terminal.

Model		MT-5WHEAMP	
Reference		52117	
Pay TV approved		F30208	
Powering mode		Local (DC)	
Line inputs		4 SAT (1V-1H-2V-2H) + TERR	
Line outputs		4 SAT (1V-1H-2V-2H) + TERR	
Frequency	Sat	MHz	950 – 2150
	Terr	MHz	47 – 862
Gain	Sat	dB	22 (+/- 2)
	Terr	dB	16 (+/- 1)
Variable attenuation	Sat	dB	0 – 18
	Terr	dB	0 – 20
Variable equalization	Sat	dB	0 – 9
	Terr	dB	0 – 15
Isolation	Sat – Sat	dB	> 45
	Sat – Terr	dB	> 35
Noise figure	Sat	dB	< 6
	Terr	dB	< 11
Input & output return loss		dB	> 10
Sat output level (-25dB 1M, full chn. Loading)		dB $\mu$ V	104
Terr output level (-30 dB 1M,full chn. Loading)		dB $\mu$ V	94
Power consumption, amplifier only		+ 18 V DC / 300 mA max.	
Feed through of +18 V to 1H & 2H inputs		mA	260
Switchable +13 V to 1V & 2V inputs		mA	260
Feed through of +18 V to 1H & 2H outputs		A	2 A Switchable
Max total feed through		A	2 A Switchable
Input and output connectors		Female F	
DC connector type		Female F	



### Power Supply Unit

Model	Reference	Description
PS1816DC	50608	18 VDC – 1.6 A with F connection – Switch Mode Power Supply
PS12V15DC	50606	12 VDC – 1.5 A power supply – Switch Mode Power Supply with 2.1mm DC socket.
PS12V15SAT	50609	PS12V15DC fitted with a IFC-215 injector.

### Power Injector

Model	Reference	Description
IFC-215	3241	1A/24V Frequency range 10-2150 MHz. Insertion loss < 1dB. F type female connectors. Dimensions 66 x 45 x 25 mm

PS1816DC



IFC-215

