

# MULTIBAND AMPLIFIERS

## MOON SERIES

High power multiband amplifiers for the distribution of terrestrial and satellite television signals.

### APPLICATION

Ideal for amplification of signals from various antennas in communities.

### CHARACTERISTICS

- High output power
- Metal body in aluminum of reduced dimensions for a high gain and output level.
- Input switchable DC pass.
- High linearity
- Integrated power supply, easily removable in case of reparation.
- Low noise figure at input.
- LTE protection filters for interfering signals (694 or 790 MHz depending on model).
- Models with satellite input available: MAF 411 and MAF 511.



Power supply	195 ÷ 265V
Operating temperature range	0 ÷ 50 °C

### TERRESTRIAL INPUT MODELS

MODEL	MAF 301			MAF 401				MAF 501				
Reference	35100			35105				35110				
Inputs	BI/FM	DAB/BIII	UHF	BI/FM	DAB/BIII	UHF	UHF	BI/FM	DAB/BIII	BIV	BV	UHF
Frequency band MHz	88÷108	174÷230	470÷694	88÷108	174÷230	470÷694	470÷694	88÷108	174÷230	470÷582	582÷694	470÷694
Output level DIN 45004 B (-60dB)	dBµV	117	117	119	117	117	119	119	117	119	119	119
Gain	dB	30	30	45	30	30	45	45	30	30	45	45
Gain regulation	dB	20		20	20	20	20	20	20	20	20	20
Test output level	dB	-30										
Noise figure	dB	6	6	6	6	6	6	6	6	6	6	6
DC pass 24Vdc	mA	-	100	-	-	100	-	-	-	-	100	-
Consumption	W	10		12				12				
Packing dimensions	mm	166 x 274 x 62										

### TERRESTRIAL + SATELLITE INPUT MODELS

MODEL	MAF 311				MAF 411					
Reference	35115				35120					
Inputs	BI/FM	DAB/BIII	UHF	SAT	BI/FM	DAB/BIII	UHF	UHF	SAT	
Frequency band MHz	88÷108	174÷230	470÷694	950÷2150	88÷108	174÷230	470÷694	470÷694	950÷2150	
Output level DIN 45004 B (-60dB) SAT (-35dB)	dBµV	117	117	119	119	117	117	119	120	
Gain	dB	30	30	45	31÷38	30	30	45	45	
Gain regulation	dB	20	20	20	20	20	20	20	20	
Test output level	dB	-30								
Noise figure	dB	6	6	6	6	6	6	6	6	
DC pass 24Vdc	mA	-	-	100	-	-	-	100	-	
Consumption	W	12				12				
Packing dimensions	mm	166 x 274 x 62								