

AML Series

Professional mast band amplifiers, LTE protected immune to all signals from other services which share the radioelectric spectrum, such as mobile phones, wireless transmissions, terrestrial communications...

APPLICATION

Suitable for individual systems or small installations, with high sensitivity and output power (114 dBμV), the AML is a heavy-duty amplifier, totally adapted to the new LTE environment.

CHARACTERISTICS

- Switchable dc pass for uhf inputs.
- Low noise figure in the high gain models.
- Allows high input levels in the low gain models
- LTE ready.
- Very low noise figure and independent from gain regulation.
- The mechanical solution guarantees an exceptional immunity against noise invasion, a critical aspect for DTT reception.
- 3 Notch filters can be adjusted over the whole UHF band, or even in their extremes to achieve an additional rejection to unwanted signals.
- F connectors.
- Output level Test.



AMPLIFICATION



Supply voltage	24 ± 10% Vdc
Operating temperature range	- 20... +60 °C
Selective equalization	3 tuneable UHF filters in main amplification line
Notch 1	390 MHz 12 660 MHz 7
Notch 2	445 MHz 16 720 MHz 7
Notch 3	600 MHz 4 975 MHz 11

MODEL	AML 210		AML 230				AML 240				AML 410		AML 430				AML 440				
Reference	36601		36603				36604				36611		36613				36614				
Nbr. of inputs	1		3				4				1		3				4				
Bands	UHF		FM	BIII-DAB		UHF	FM	BIII-DAB		UHF	UHF	UHF	FM	BIII-DAB		UHF	FM	BIII-DAB		UHF	UHF
Gain	dB		25	15	15	25	15	15	15	25	25	38	28	28	38	28	28	28	38	38	38
Gain regulation	dB		15	20	20	15	20	20	15	15	15	20	20	15	20	20	15	20	15	15	15
Output level DIN 45004B-60	dBμV		108								114										
Noise figure	dB		3	8	8	4	8	8	7	7	3	7	8	3	7	8	6	6	6	6	6
Rejection out of band	dB		Compliance with EN 50083-2 "Antenna Input Resistance", LTE Ready																		
Test output	dB		-30				—				-30				—						
Consumption	mA		50								80										
DC pass	mA		45	—		45	—		45	45	—		45	—		45	—		45	—	
Packing dimensions	mm		170 x 105 x 50																		
Weight	Kg		0,355																		

KITS AVAILABLE:

REF	KIT	COMPOSITION
36621	AML 210 K	AML 210 + FA 152
36623	AML 230 K	AML 230 + FA 152
36624	AML 240 K	AML 240 + FA 152
36631	AML 410 K	AML 410 + FA 152
36633	AML 430 K	AML 430 + FA 152
36634	AML 440 K	AML 440 + FA 152