

# RF Power Amplifier module

## AP24002700-15-COFDM

This solid state power amplifier is designed for reliable, trouble-free service. It operates in a class A/AB so as a 12 V DC power supply. The amplifier is accommodated in aluminium housing.

### Features :

- \* 100 Watts CW saturated output power
- \* 43 dB minimum gain
- \* Electronic Attenuator with preset power
- \* Overvoltage and reverse protection
- \* Isolator included
- \* Power indicator

### Applications :

- \* RF links digital TV



Front

Back

- \* Fields Test

### Specifications

Characteristics	Data	Units
Frequency range	2400 MHz - 2700 MHz	MHz
RF output power - 27 dBc shoulder		
Typ.	15	W
Min	12,5	W
Class	A and AB	
Power gain	43	dB
Flatness	+/- 2 dB	dB
Input power for rated output power	0	dBm
Max. input power	10	dBm
In / Out impedances nom.	50	Ohms
Input VSWR	2 : 1	
Variable gain	over 15 dB	
VSWR mismatch	Infinite @ 15 W COFDM	
Protection circuits	Load VSWR, over temperature	
Harmonics typ.	-20	dBc
Spurious typ.	-60	dBc
Modulation capability	100	%
Noise Figure typ.	10	dB
Intercept point 3 rd Order typ.		dBm
RF connectors	N female	
Cooling	by conduction and forced air	
Operating temperature Range	0 °C ... + 45	° C
Power Supply	12 V DC +/- 5%	V
Dimensions (W x L x H)	216 x 410 x 130	mm

All data at room temperature + 22 °C, into 50 Ohms, subject to change without notice