

RF Power Amplifier module

AP20002700-0,8-24-COFDM

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

Features :

- * 5 Watts saturated CW output power
- * 30 dB minimum gain
- * Overvoltage and reverse protection

Applications :

- * RF links digital TV
- * Fields Test

case : BO16

Specifications

Characteristics	Data	Units
Frequency range	2000 MHz - 2700 MHz	MHz
RF output power - 27 dBc shoulder		
Typ.	0,9	W
Min	0,8	W
Class	A	
Power gain	30	dB
Flatness	+/- 2 dB	dB
Input power for rated output power	-3	dBm
Max. input power	10	dBm
In / Out impedances nom.	50	Ohms
Input VSWR	2 : 1	
VSWR mismatch	Infinite @ 1W COFDM	
Protection circuits	Load VSWR	
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	SMA female	
Cooling	by conduction	
Operating temperature Range	0 °C ... + 45	° C
Power Supply	18 V to 30 V DC I 0,9 A	V
Dimensions (W x L x H)	BO 16	mm
All data at room temperature + 22 °C, into 50 Ohms, subject to change without notice		

Made in European Union

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WWW.RFPA.com

R.F.P.A. S.A.

Parc d'activité de Fontaudin F33370 Artigues près Bordeaux

France Tél : +33 (0)5 56 86 85 84 Fax: + 33 (0) 5 56 86 55 56