

RF Power A

RF12001400-300 P

This solid state power amplifier is designed for reliable, trouble-free service. It operates in a class A/AB and includes RF protection circuits, cooling installations and 230 V AC power supply. The amplifier is accommodated in a 19" system housing.

Features :

- * 350 Watts saturated output power
- * 53 dB minimum gain
- * Electronic Attenuator external electrically controlled , dynamic range 15 dB min
- * Power indicator via RS232 in option 2
- * VSWR protection by isolator
- * Temperature protection

Applications :

- * Radar

Specifications

Characteristics	Data	Units
Frequency range	1200-1400	MHz
RF output power pulse		
Typ.	350	W
Min	300	W
RF output power average	80	W
Class during the pulse	A/AB	
Power gain min	53	dB
Flatness	+/- 2 dB	dB
Input power for rated output power	10	dBm
Max. input power	13	dBm
In / Out impedances nom.	50	Ohms
Drop pulse	10	%
Input VSWR	1,75 : 1	
Load VSWR for rated output power	up to 1.5 : 1	
VSWR mismatch	infinite (isolator included)	
Protection circuits	Over temperature	
Harmonics min.	-25	dBc
Spurious typ.	-70	dBc
Pulse width	20 to 200	µS
Duty cycle	50	%
External command (BNC)	TTL	
Rise and fall time	< 1	µS
RF connectors	N female	
Cooling	Forced air (self-contained fans)	
Operating temperature Range	- 10 °C ... + 40	° C
Consumption typique	1	KW
Power Supply	230 V AC +/- 10 %	V
Dimensions (W x L x H)	6 U 19" Rack 490 x 460 x 264	mm
All data at room temperature + 22 °C, into 50 Ohms, subject to change without notice		

Made in European Union

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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