

Preliminary data sheet

RF Power Amplifier

RF14001500-30 P

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

Features :

- * 40 Watts saturated output pulse power
- * 53 dB minimum gain
- * Electronic Attenuator external electricly controled , dynamic range 10 dB min as a option
- * Power indicator via RS232 in option 2
- * VSWR protection
- * Temperature protection

Applications :

- * Microwaves links
- * Test Bench
- * Radar
- * Instrumentations

Specifications

Characteristics	Data	Units
Frequency range	1400-1500	MHz
RF output power pulse		
Typ.	35	W
Min	30	W
RF output power in CW	25	W
Class	A/AB	
Power gain	47	dB
Flatness	+/- 1,5 dB	dB
Input power for rated output power	10	dBm
Max. input power	13	dBm
In / Out impedances nom.	50	Ohms
Drop pulse	10 for long pulse	%
Input VSWR	2 : 1	
Load VSWR for rated output power	up to 1.5 : 1	
VSWR mismatch	infinite	
Protection circuits	Over temperature	
Harmonics typ.	-15	dBc
Spurious typ.	-60	dBc
Pulse width	50	mS
Duty cycle	10	%
Rise and fall time	< 1	µS
RF connectors	N female and N female	
Cooling	Forced air (self-contained fans)	
Operating temperature Range	0 °C ... + 40	° C
Power Supply	230 AC +/- 10 % ,47-63 Hz	V
Dimensions (W x L x H)	3 U 19" Rack 490 x 360 x 132	mm
All data at room temperature + 22 °C, into 50 Ohms, subject to change without notice		

Made in European Union

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