

RF Power Amplifier

RF400450-500F

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



Features :

- * > 600 Watts saturated output power
- * 20 dB minimum gain
- * RS485 control and monitoring
- * Temperature protection

Applications :

- * 500 W for FTS

Specifications

Characteristics	Data	Units
Frequency range	400 - 450	MHz
RF output power 1 dBc CW		
Typ.	550	W
Min	500	W
Class	A/B	
Power gain min	15	dB
Small gain flatness typ	+/-1	dB
Max. input power	15	W
In / Out impedances nom.	50	Ohms
Input VSWR	1,5 : 1	
Load VSWR for rated output power	up to 1.5 : 1	
VSWR mismatch	Infinite (by internal isolator)	
Protection circuits	Load VSWR ,over power ,over temperature	
Harmonics typ.	-40 dBc @ 500 W	dBc
Spurious typ.	-65	dBc
Modulation capability	100	%
RF connectors	N female	
Monitoring and command	by RS485	
Cooling	Forced air (self-contained fans)	
Operating temperature range	0 °C ... + 35	°C
Storage temperature range	-20 ... +70	°C
Altitude	msl to 2500	m
Power Supply	230 AC +/- 10 % ,47-63 Hz 1300 VA	
Size (W x L x H)	5U 19" Rack 483 x 460 x 222	mm
Weight	27	kg
All data at room temperature + 22 °C, into 50 Ohms, subject to change without notice		

Made in European Union

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

13 place Pierre Curie F33370 Artigues près Bordeaux

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