

RF Power Amplifier

RF400450-10D

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 so as a 230 V AC power supply. The amplifier is accommodated in a 19" system housing.

Features :

- * > 2 x 10 Watts saturated output power
- * 40 dB minimum gain
- * RS485 control and monitoring
- * 2 output signal for 500 W final stage
- * Temperature protection



Applications :

- * driver for FTS

Specifications

Characteristics	Data	Units
Frequency range	400 - 450	MHz
RF output power 1 dBc CW		
Typ.	2 x 10	W
Min	2 x 5	W
Class	A	
Power gain min (RF out 1_out2)	40	dB
Small signal gain flatness typ	+/-1,5	dB
Input power for rated output power	0	dBm
Max. input power	13	dBm
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 temperature	
Harmonics typ.	-50 dBc @ 5 W	dBc
Spurious typ.	-70	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 °C ... + 70	°C
Altitude	msl to 2500	m
Power Supply	230 AC +/- 10 % ,47-63 Hz 150 VA	
Size (W x L x H)	2 U 19" Rack 490 x 460 x 89	mm
Weight	10	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.

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