

RF Power Amplifier

RF17002300 - 50

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

Features :

- * 70 Watts saturated output power
- * 47 dB minimum gain
- * Electronic Attenuator in option
- * Meter in option
- * Temperature protection



Applications :

- * RF links
- * Test Bench
- * Field Test
- * Instrumentation

Specifications

case : RAC009-02

Characteristics	Data	Units
Frequency range	1700 - 2300	MHz
RF output power CW		
Typ.	60	W
Min	50	W
Class	A	
Power gain min	50	dB
Flatness	+/-1,5 dB	dB
Input power for rated output power	0	dBm
Max. input power	13	dBm
In / Out impedances nom.	50	Ohms
Input VSWR	2 : 1	
Load VSWR for rated output power	up to 1.7 : 1	
VSWR mismatch	infinite @ 50 W power decrease	
Protection circuits	Load VSWR, over temperature	
Harmonics typ.	-40	dBc
Spurious typ.	-60	dBc
Modulation capability	100	%
Noise Figure typ.	10	dB
Intercept point 3 rd Order typ.	55	dBm
RF connectors	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)	RAC009-02 4 U p 460 mm	

All data at room temperature + 22 °C, into 50 Ohms, subject to change without notice