

Preliminary data sheet

RF Power Amplifier

RF59006400 - 40

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 :

- * 50 Watts saturated output power
- * 47 dB minimum gain
- * Electronic Attenuator in option
- * Output isolator in option
- * Temperature protection

Applications :

- * Microwaves links
- * Tests Bench
- * Fields Test
- * Instrumentations

Specifications

Characteristics	Data	Units
Frequency range	5900 - 6400	MHz
RF output power CW		
Typ.	50	W
Min	40	W
Class	A	
Power gain	47	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 1.5 : 1	
VSWR mismatch	Infinite (power decrease with VSWR)	
Protection circuits	Load VSWR, over temperature	
Harmonics typ.	-20	dBc
Spurious typ.	-60	dBc
Modulation capability	100	%
Noise Figure typ.	10	dB
Intercept point 3 rd Order min.	54	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)	4 U 19" Rack 490 x 460 x 188	mm

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