

1000W FM Amplifier Module

The **AB1000-FM** designed for FM radio transmitter. This Amplifier incorporates micro strip technology And MOSFET transistor to enhance ruggedness and reliability.

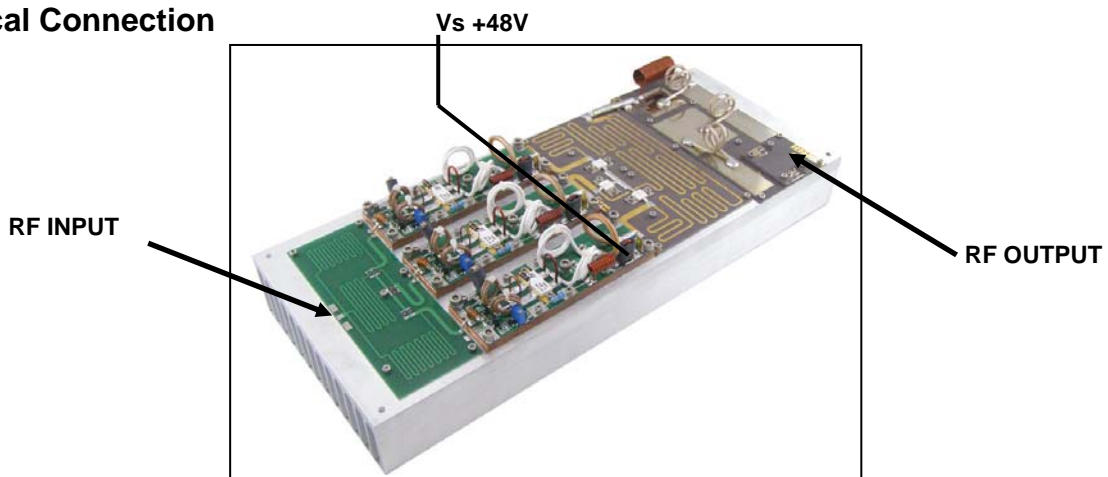
- **87.5 – 108 MHz**
- **48 Volts**
- **Input/Output 50 ohm**
- **Pout: 1050W max.**
- **Low RF power input**
- **Build in input directional coupler**
- **Gain: 18 dB min.**
- **Build in LPF & Coupler**
- **Teflon laminated**
- **Device : SD2942x3**


Absolute Maximum Ratings

Symbol	Parameter	Value	Units
Vs	Drain Voltage Supply	50	V dc
Is	Supply Current	32	A dc
VSWR	Load Mismatch	3 : 1	
Tsg	Storage Temperature Range	-30 +100	C
Tc	Operating Temperature	-10 +50	C

Specifications (T_{base} = 25 C, Vs = 48V)

Characteristics	Min	Type	Max	Units
Operating Frequency	87.5		108	MHz
Fundamental Pout		1000		W
Power Input	14	16	18	W
Power Gain	24	25		dB
Collector Efficiency	72	75		%
Input VSWR		<1.7:1		
Insertion Phase Variation (Unit to unit)		+10		Degree
F2 Second Harmonic	-60			dB

Electrical Connection


Dimensions (L x W x H) : 458 x 190 x 115 mm [18" x 7.5" x 4.5"]