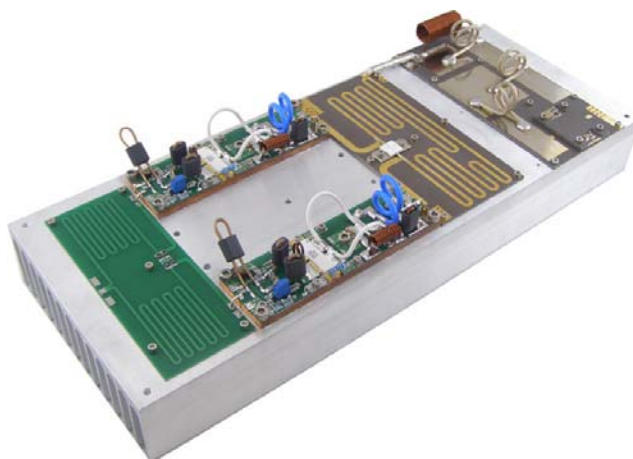


1500W FM Amplifier Module

The **AB1500-FM** designed for FM radio transmitter. This Amplifier incorporates micro strip technology And MOSFET transistor to enhance ruggedness and reliability.

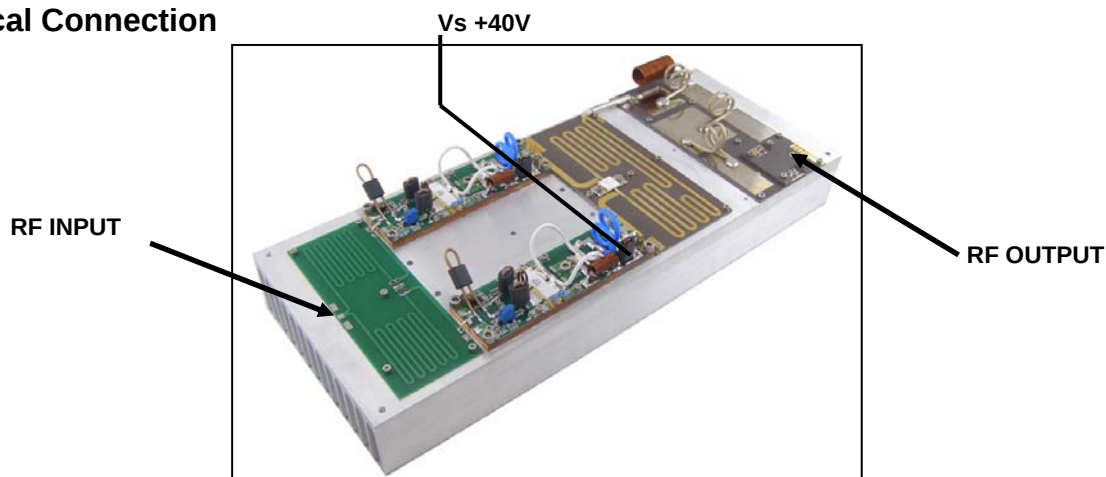
- 87.5 – 108 MHz
- 40 Volts
- Input/Output 50 ohm
- Pout: 1600W max.
- Low RF power input
- Build in input directional coupler
- Gain: 25 dB min.
- Build in LPF & Coupler
- Teflon laminated
- Device : BLF178Px2


Absolute Maximum Ratings

Symbol	Parameter	Value	Units
Vs	Drain Voltage Supply	43	V dc
Is	Supply Current	45	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 = 40V)

Characteristics	Min	Type	Max	Units
Operating Frequency	87.5		108	MHz
Fundamental Pout		1500		W
Power Input	8	10	12	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"]