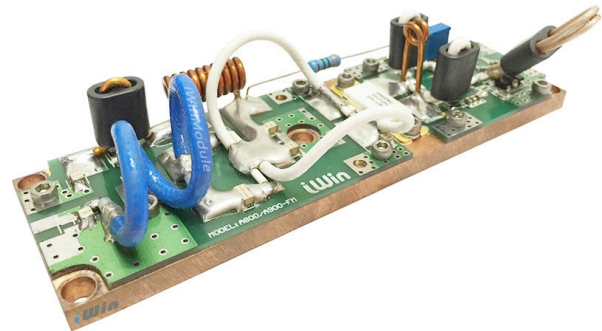


500W FM Pallet Amplifier

The **A500-FM** designed for FM radio transmitter. This Amplifier incorporates micro strip technology And MOSFET transistor to enhance ruggedness and reliability.

- 87.5 – 108 MHz
- 44 Volts
- Input/Output 50 ohm
- Pout: 500W min.
- Gain: 25 dB min.
- Devices : BLF174XR



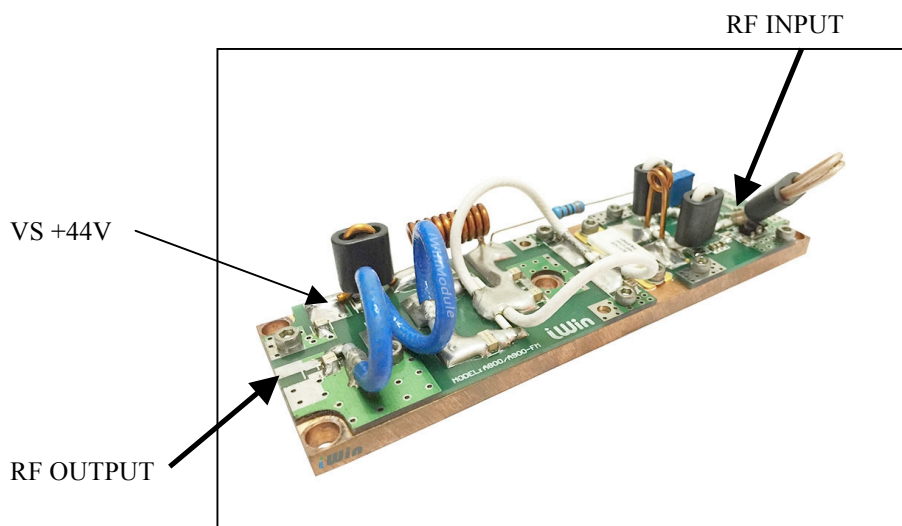
Absolute Maximum Ratings

Symbol	Parameter	Value	Units
Vs	Drain Voltage Supply	48	V dc
Is	Supply Current	20	A dc
VSWR	Load Mismatch	3 : 1	
Tsg	Storage Temperature Range	-30 +100	C
Tc	Operating Temperature	-10 +50	C

Specifications (Tbase = 25 C, Vs = 40V)

Characteristics	Min	Type	Max	Units
Operating Frequency	87.5		108	MHz
Fundamental Pout		500		W
Power Input	1.5	7	2	W
Power Gain	24	25	26	dB
Collector Efficiency		77	80	%
Input VSWR		<1.5:1		
Insertion Phase Variation (Unit to unit)		+10		Degree
Power Gain Variation (Unit to Unit)				dB
F2 Second Harmonic	-35			dB
F3 Second Harmonic	-45			dB

Electrical Connection



Dimensions (L x W x H) : 150 x 46 x 35 mm [5.9" x 1.8" x 1.4"]