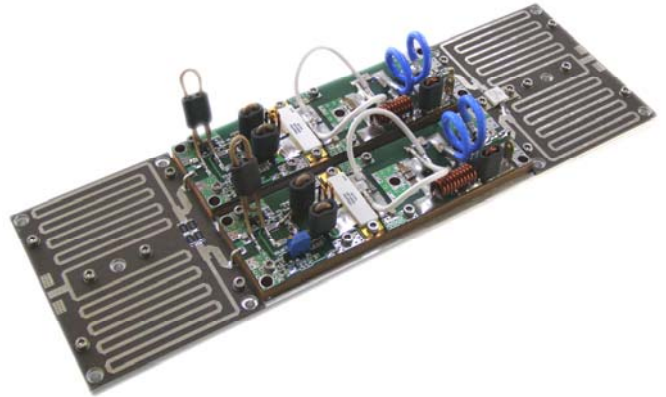


1500W FM Pallet Amplifier

The **A1500-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: 1500W min.**
- **Gain: 25 dB min.**
- **Devices : BLF178PX2**



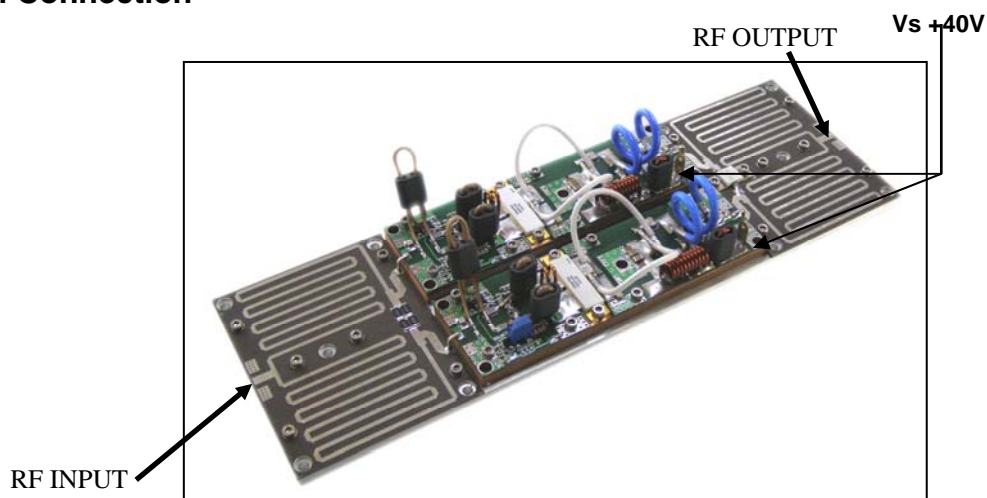
Absolute Maximum Ratings

Symbol	Parameter	Value	Units
Vs	Drain Voltage Supply	43	V dc
Is	Supply Current	55	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	6	8	10	W
Power Gain	24	25	26	dB
Collector Efficiency		75	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) : 320 x 105 x 35 mm [12.6" x 4.2" x 1.4"]