

## 30W FM Pallet Amplifier

The **A30-FM** designed for FM radio transmitter. This Amplifier incorporates micro strip technology And MOSFET transistor to enhance ruggedness and reliability.

- 87.5 – 108 MHz
- 28 Volts
- Input/Output 50 ohm
- Pout: 30W min.
- Gain: 18 dB min.
- Devices : BLF278



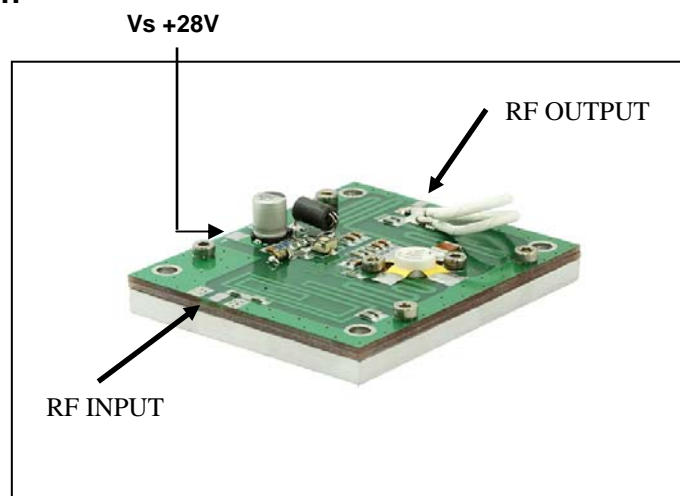
### Absolute Maximum Ratings

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

### Specifications (T<sub>base</sub> = 25 C, Vs = 28V )

Characteristics	Min	Type	Max	Units
Operating Frequency	87.5		108	MHz
Fundamental Pout		30		W
Power Input	0.8	1	1.2	W
Power Gain	17	18		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) : 83 x 70 x 25 mm [3.3" x 2.8" x 1"]