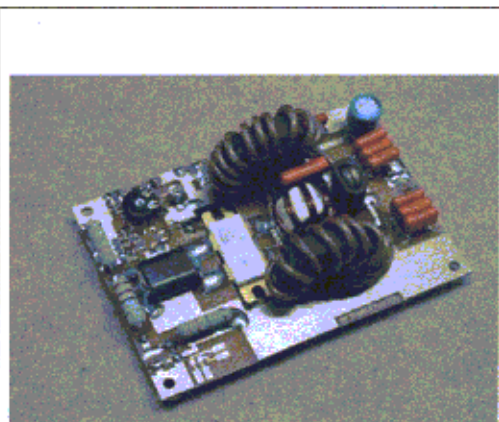


### 300 Watt HF Amplifier

Designed for HF - VHF Radio bands this Linear Amplifier incorporates transmission line transformers technology and MOS-FET device to enhance ruggedness and reliability.

- **1.50 – 54.00 MHz**
- **Input / Output : 50 Ohm**
- **Pout : 300 Watt**
- **Class AB ( see text )**
- **Efficiency : 55% typical**
- **Silver Plated PCB**
- **Cover 50 MHz band @ 250 W**
- **Devices BLF278 or equivalent**



Dim. : 100 mm X 70 mm X 45 mm L x W x H

#### ABSOLUTE MAXIMUM RATINGS ( Device Flange T = 70 °C )

Vdd	Drain Supply Voltage	52	Vdc
Idd	Drain Supply Current	14.0	Amp.
SWR	Load Mismatch (all phase angles, Tc=40°C, Id=10A)	3:1 see text	
Temp.	Max Storage Temperature Range	100 Degrees	C

#### ELECTRICAL SPECIFICATIONS ( Base Plate T. = 45 °C, 50Ω loaded, Vdd = 48 V, 300 W )

Characteristics	Min	Typ.	Max	Unit
Frequency	1.50		54.00	MHz
Output Power		300 @ 1.5 – 30 250 @ 50MHz		Watt
Input Power ( with 3db ATT on board )	2.20		5.40	Watt
Power Gain ( with 3db ATT on board )		18		dB
Current Drain			12.8	Amp
Efficiency		55 @ 1.5 - 30 45 @ 50 MHz		%
Input VSWR	1.3 : 1		1.7 : 1	