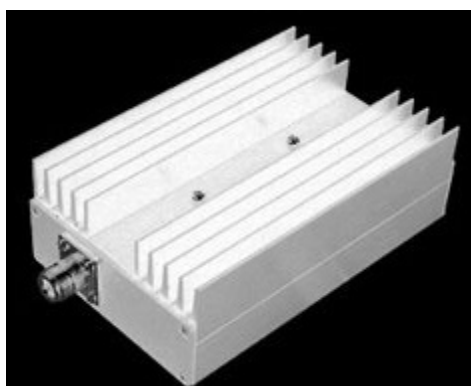

HIGH POWER AMPLIFIER 20 W FOR HAM RADIO AM/FM TV 1200 MHz



Key Features

High power linear UHF Amplifier for 1200 MHz. It is perfect for Ham radio AM/FM TV excitors, labs or experiments. It has 20 W RF power with driving input of 250 mW. Required power supply is 12 V / 7A. Gain is 20dB. BNC-BNC connectors.

Maximum Ratings:

Parameters	Value
Input Voltage	+14 Vdc
Input power	300 mW
Drain Current / Load Mismatch	6 Amp
All Phase Angles	5:1
Baseplate Temp	+70° C
Storage Temp	-40° ~ +105° C

Specifications: (Vsupply=+12Vdc, Idq=8A, Freq=1200 MHZ)

Parameter	Min	Typ	Max	Unit
Frequency	1200		1400	MHz
Pout P1dB		20		Watts
Gain		20		dB
Gain Variation		±2.0		dB
Power In		250 mW		mW
Drain current		6	8	Amps
Efficiency	40			%
Input VSWR		1.2:1	1.5:1	
2nd Harmonic		-30		dBc
3rd Harmonic		-12		dBc
Baseplate Operating Temp.	0		+70	° C
Size	6" x 2.7" x 3.5"			