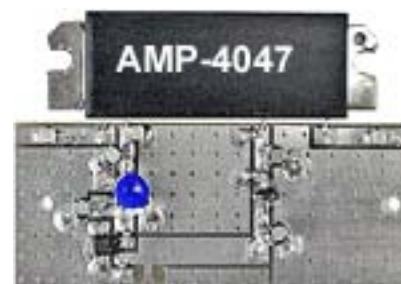


AMP-4047

430 MHz TV LINEAR AMPLIFIER 60 W IN AB CLASS

This is an excellent High power professional 60 W TV linear amplifier for amateur TV that requires minimum driving input of 5 mW for 60 W RF output power/12 V DC. It works in 400 MHz - 480 MHz and doesn't require any tuning or adjusting. Power supply is 12 V - 16 V / 6 A. Gain is 26 dB. Input / Output 50 ohms impedance. It is excellent for low power TV stages in UHF-L band (I). The power output is adjustable from 0-60 W by potentiometer on board. Heatsink is not included. This amplifier works in A class for linear TV applications with 5-10 mW driving RF power.

Dimensions: 3.0 "X 2.5"



Technical Specifications	
BATTERY POWER	12 V-14 V
RF POWER	60 W
CURRENT CONSUMPTION	6 A
RF IN/OUT	50 ohms
INPUT POWER	5 mW- 10 mW
FREQ. RANGE:	400 MHz-480 MHz
HIGH GAIN	26 dB / 460 MHz
SIZE:	2.5" X 3"
OPERATION: WIDEBAND OPERATION	WIDEBAND
CLASS	LINEAR AB/A
POWER OUT	ADJUSTABLE

WARNING: THIS AMPLIFIER MUST BE MOUNTED ON A LARGE HEATSINK, RF MODULE MUST BE WELL CONNECTED WITH TWO SCREWS TO THE ALUMINUM BASE + 2 SCREWS FOR THE PC BOARD. USE A THERMAL COMPOUND FOR THE MODULE BASE (PUT SILICON GREASE IN THE GAP OF THE MODULE).

THE MODULE AND BOARD MUST BE WELL GROUNDED! RED WIRE IS POSITIVE, BLACK IS NEGATIVE. PLEASE MAKE SURE THAT YOUR POWER SUPPLY CAN HANDLE 6 A/12 V.