



ZH-4047/60-1

HIGH POWER AMPLIFIER

60 W from 400 MHz-470 MHz

This is a tested high quality professional 60 W RF amplifier that requires minimum driving input of 0 dBm-3 dBm for the maximum of 60 W RF power output. It is broadband in 400 MHz- 520 MHz and doesn't require any tuning or adjusting. Power supply is 12 V/ 6.9 A. Gain 38 dB. N female connectors Input / Output 50 ohms impedance. Class of operation AB.

Dimensions: 6" X 4" X 2"



Technical Specifications	
Operating Frequencies:	400 MHz- 470 MHz (520 MHz max)
Operating class:	Linear AB
DC Voltage:	12 V
RF power:	60 W
Input power:	0 dBm- 3 dBm, max 10 dBm
Minimum required voltage:	12 V
Battery power:	12 V - 14 V
Video distortion:	N/A
Video Format:	N/A
Current Consumption:	6.9 A / 12 V
Antenna:	N/A
Antenna Connector:	BNC, N on request
Impedance:	50 ohms
Temperature Range:	-40 +75* C
Dimensions:	6" X 4 " X 2"
Weight:	380 grams

AMPLIFIER ZH4047/60-1								
Frequency MHz	GAIN, dB		Maximum Power, dBm		Dynamic Range		DC POWER	
	Min.	Max. Flatness	Max	Input (no damage)	NF Db Typ.	IP3 dBm Typ.	Cur- rent(m A)	Volt(V.)
400- 520	38	±0.80	+48.6	+16	4.5	46	6.9	12.6
Lw = low range(fL to fU/2) U=upper range(fU/2 to fU)								

FREQ (MHz)	Gain (dB)	Directivity (dB)	VSWR		N.F.(dB)	Pout W (@1dB COMPR)
	12.6 V	12V	IN	OUT		
400	37	10.5	1.29	1.30	4.5	62.5
420	38	11.1	1.63	1.65	4.6	63
430	38	11.6	1.66	1.69	4.4	65
440	38	11.3	1.38	1.42	4.8	64
450	39	11.4	1.16	1.19	4.6	66
460	38	11.9	1.20	1.20	4.5	65.5
470	39	13.4	1.16	1.31	4.5	63
475	38	13.1	1.17	1.23	4.7	65
480	39	13.7	1.29	1.23	4.6	64

