



ZH-4047/60

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 50 mW for the maximum of 60 W RF power output. It is broadband in 400 MHz- 476 MHz and doesn't require any tuning or adjusting. Power supply is 12 V/ 6.8 A. Gain 26 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
Operating class:	Linear AB
DC Voltage:	12 V
RF power:	60 W
Input power:	10 mW, max. 50 mW
Minimum required voltage:	10 V
Battery power:	12 V - 14 V
Video distortion:	N/A
Video Format:	N/A
Current Consumption:	6.8 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:	300 grams

AMPLIFIER ZH4047/60								
Frequency MHz	GAIN, dB		Maximum Power, dBm		Dynamic Range		DC POWER	
$f_L - f_U$	Min.	Max. Flatness	Max	Input (no damage)	NF Db Typ.	IP3 dBm Typ.	Current(m A)	Volt(V.)
400-470	26	±0.80	+48.6	+16	4.0	46	6.8	12.6
Lw = low range(f_L to $f_U/2$) U=upper range($f_U/2$ to f_U)								

FREQ (MHz)	Gain (dB)	Directivity (dB)	VSWR		N.F.(dB)	Pout W (@1dB COMPR)
	12.6 V	12V	IN	OUT		
400	26	10.5	1.29	1.30	4.2	62.5
420	27	11.1	1.63	1.65	4.5	63
430	27	11.6	1.66	1.69	4.4	65
440	26	11.3	1.38	1.42	4.3	64
450	26	11.4	1.16	1.19	4.3	66
460	26	11.9	1.20	1.20	4.3	65.5
470	26	13.4	1.16	1.31	4.3	63
475	26	13.1	1.17	1.23	4.4	65
480	26	13.7	1.29	1.23	4.4	64