



ZHM-015-27

HIGH POWER AMPLIFIER

3 W from 150 MHz-2,700 MHz

This is a professional linear amplifier 2.5 W RF power that requires minimum driving input of 5 mW for the maximum of 2.5 W RF power output. It is broadband in 150 MHz- 2,700 MHz and doesn't require any tuning or adjusting. Power supply is 12 V/1.6 A. Gain 33 dB. SMA connectors Input / Output 50 ohms impedance. Class of operation is AB.

Dimensions: 6.0" X 3.0 " X 2.0 ".



Technical Specifications	
Operating Frequencies:	150 MHz- 2700 MHz
Operating class:	Linear AB
DC Voltage:	12 V
RF power:	2.5 W
Input power:	Min 1 mW, max. 10 mW
Minimum required voltage:	10 V
Battery power:	12 V - 14 V
Video distortion:	N/A
Video Format:	N/A
Current Consumption:	1.6 A / 12 V
Antenna:	N/A
Antenna Connector:	SMA
Impedance:	50 ohms
Temperature Range:	-40 +75* C
Dimensions:	6" X 4 " X 2"
Weight:	400 grams

TEST RESULTS

FREQUENCY	POWER INPUT 1 (dBm)	POWER OUTPUT 1	POWER INPUT 2 (dBm)	POWER OUTPUT 2
120 MHz	0	2.36 W	5.00	2.7 W
150 MHz	0	2.56 W	5.00	3.2 W
200 MHz	0	2.2 W	5.00	3.5 W
250 MHz	0	2.1 W	5.00	3.6 W
300 MHz	0	2.2 W	5.00	3.8 W
350 MHz	0	2.3 W	5.00	3.7 W
400 MHz	0	2.3 W	5.00	3.8 W
500 MHz	0	2.2 W	5.00	3.0 W
600 MHz	0	1.5 W	5.00	1.7 W
700 MHz	0	2.0 W	5.00	1.9 W
800 MHz	0	1.63 W	5.00	2.0 W
850 MHz	0	1.4 W	5.00	2.2 W
900 MHz	0	1.5 W	5.00	2.5 W
1000 MHz	0	2.3 W	5.00	3.0 W
1100 MHz	0	2.2 W	5.00	3.0 W
1200 MHz	0	2.5 W	5.00	3.0 W
1300 MHz	0	2.7 W	5.00	3.3 W
1400 MHz	0	2.7 W	5.00	3.2 W
1500 MHz	0	2.7 W	5.00	2.9 W
1600 MHz	0	2.7 W	5.00	2.8 W
1700 MHz	0	3.2 W	5.00	3.0 W
1800 MHz	0	3.5 W	5.00	3.5 W
1900 MHz	0	3.6 W	5.00	3.6 W
2000 MHz	0	4.5 W	5.00	3.7 W
2100 MHz	0	4.5 W	5.00	3.9 W
2200 MHz	0	4.5 W	5.00	4.0 W
2300 MHz	0	3.8 W	5.00	4.4 W
2400 MHz	0	3.0 W	5.00	4.35 W
2500 MHz	0	2.0 W	5.00	3.5 W
2600 MHz	0	1.5 W	5.00	3.0 W
2700 MHz	0	1.29 W	5.00	2.5 W