



ZH-8896H

HIGH POWER AMPLIFIER

20 W from 880 MHz-960 MHz

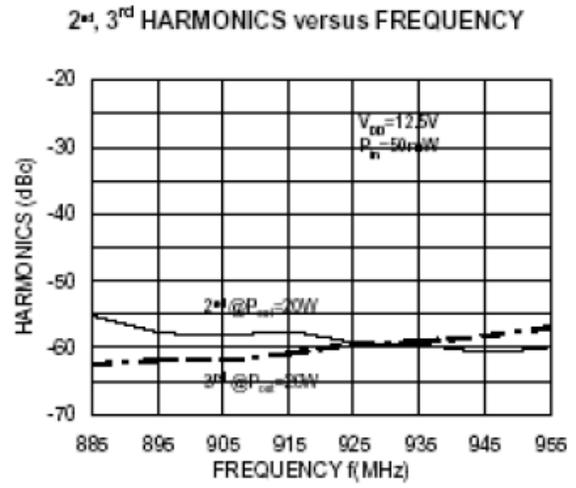
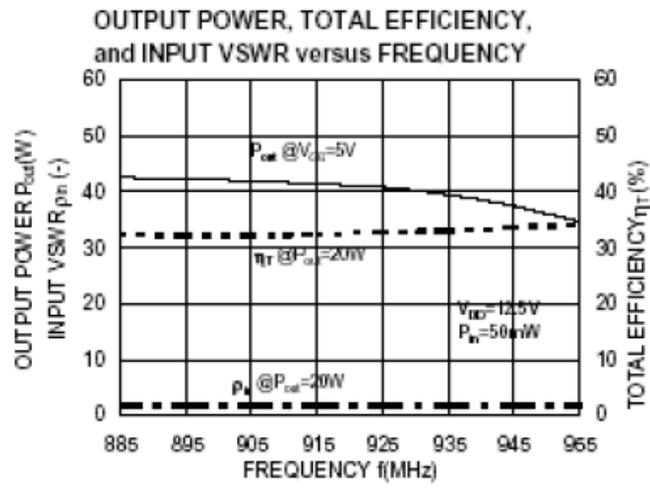
This is a tested high quality professional 20 W RF amplifier that requires minimum driving input of 50 mW for the maximum of 20 W RF power output. It is broadband in 880 MHz- 960 MHz and doesn't require any tuning or adjusting. Power supply is 12 V/ 6.8 A. Gain 26 dB. N female connectors Input / Output 50 ohms impedance. Class of operation AB.

Dimensions: 6" X 4" X 2"



Technical Specifications	
Operating Frequencies:	880 MHz- 960 MHz
Operating class:	Linear AB
DC Voltage:	12 V
RF power:	20 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

TYPICAL PERFORMANCE ($T_{case}=+25^{\circ}C$, $Z_G=Z_L=50\Omega$, unless otherwise specified)



ELECTRICAL CHARACTERISTICS ($T_{case}=+25^{\circ}C$, $Z_G=Z_L=50\Omega$, unless otherwise specified)

PARAMETER	CONDITIONS	MIN	MAX	UNIT
Frequency Range		880	960	MHz
Output Power	$V_{DD}=12.5V$ $P_{in}=50mW$	18	22	W
Total Efficiency	25			%
2 nd Harmonic	$V_{DD}=12.5V$ $P_{in}=50mW$	-30		dBc
Stability	100			%
Load VSWR Tolerance	Load VSWR=20:1 With max. power out		No degradation or destroy	

SCHMATIC DIAGRAM
ZH-8896/H

