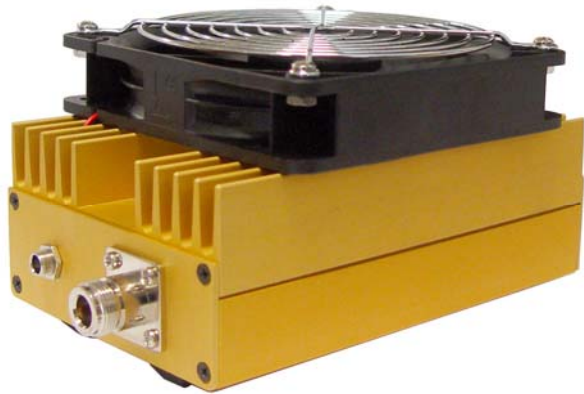


ZHM-0910
HIGH POWER AMPLIFIER
500 MHz – 1200 MHz



This is a high power broadband amplifier for labs or testing purposes. This amplifier is excellent for SUHF band 500 MHz- 1200 MHz. The gain is over 40 dB. The maximum power is 80 W. Minimum required driving power is only 100 mW. This amplifier can be used for testing or TV applications since the linearity is excellent.

Size (base plate): 6" x 4" x 3"

- 500 MHz-1200 MHz • 28 Volts
- Input/Output 50 Ω
- Pout : 60 W min
- Standby Curent 79 mA
- Max curent 8 A
- Gain : 23 dB typ
- Class B

Electrical Specifications:

ELECTRICAL SPECIFICATIONS (Base Plate T. = 45 °C, 50Ω loaded, Vd = 48 V)

ELECTRICAL				
Characteristics	Min	Typ.	Max	Unit
Operating Frequency Range	500		1200	MHz
Fundamental Output Power	80			W
Power Input		0.1	0.3	W
Power Gain (100W output)		23		dB
I Drain		7.5	8	A
Collector Efficiency (Load 50Ω)		80		%
Input VSWR		1.3:1	1.7:1	
Insertion Phase Variation (Unit to Unit)		±10		Degrees
Power Gain Variation (Unit to Unit)		±1		dB
F2 Second Harmonic	-35	-40		dB
F3 Third Harmonic		-40		dB