

ZHM03230-20

HIGH POWER AMPLIFIER

30 MHz – 2300 MHz

This is a high power broadband amplifier for labs or testing purposes. This amplifier is excellent for VHF- UHF band 30 MHz- 2300 MHz. The gain is over 43 dB. The maximum power is 20 W. Minimum required driving power is only 8 mW. This amplifier is recommended for testing, labs, Space research, Mil applications etc.

Dimensions: 6.0 " X 4.0 " X 2.0 " .



Technical Specifications	
Frequency range	30..2300 MHz
Input power for P3dB	typ. 2 dBm, max. 4 dBm
Maximum input power	5 dBm
Output power P3dB	typ. 43 dBm, min. 41.7 dBm
	typ. 20 W, min. 15 W
Gain (small signal)	typ. 43 dB, min. 40 dB
IM3 (1)	typ. 28 dBc @ 40 dBm PEP
Efficiency	typ. 20% @ 10 W (CW)
Input return loss (S11)	min. 10 dB
Supply voltage	+28 V DC
Quiescent current	typ. 950 mA
Current consumption	max. 3.2 A
Operating case temp. range	-20 ... +55 °C
VSWR of load	max. 1.8 : 1
Input connector / impedance	SMA-female / 50 ohms
Output connector / impedance	SMA-female, 50 ohms
Case	aluminum
Dimensions (mm)	6.0" X 4.0" X 2.0"
Weight	600 g (typ.)
(1)	Measured 2-tone, frequency spacing: 1 MHz