



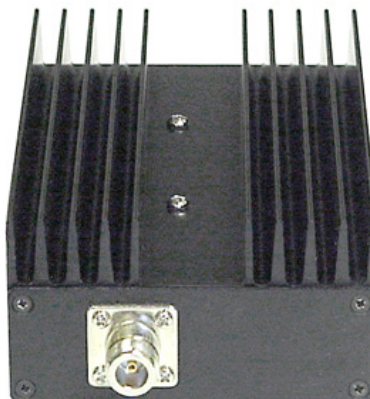
# ZHM0325-6

## WIDEBAND HIGH POWER AMPLIFIER

### 30 MHz – 2500 MHz

This is a high power broadband amplifier for labs or testing purposes. This amplifier is excellent for VHF- UHF band 30 MHz- 2500 MHz. The gain is over 45 dB. The maximum power is 6 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..2500 MHz
Input power for P1dB	typ. -10 dBm, max. -6 dBm
Maximum input power	3 dBm
Output power P3dB	typ. 37.8 dBm, min. 37 dBm
	typ. 6 W, min. 5 W
Gain (small signal)	min. 45 dB
Gain flatness (small signal)	typ. +/- 2 dB
IM3 (1)	typ. 23 dBc @ 37 dBm PEP
Efficiency	min. 17 % @ 38.4 dBm
Input return loss (S11)	min. 10 dB
ON voltage	+5 ... 14 V DC
Supply voltage	+28 V DC
Quiescent current	typ. 1.1 A
Current consumption	max. 1.5 A
Operating case temp. range	-20 ... +55 °C
VSWR of load	max. 1.8 : 1
Input connector / impedance	N-female / 50 ohms
Output connector / impedance	N-female, 50 ohms
Case	milled aluminium
Dimensions (mm)	6.0" x 4.0" x 2.0"
Weight	520 g (typ.)
(1)	Measured 2-tone, frequency spacing: 1 MHz