

ZHM2325-20B HIGH POWER AMPLIFIER 2300 MHz – 2500 MHz

This is a high power broadband amplifier for labs or testing purposes. This amplifier is excellent for 2300 MHz- 2500 MHz. The gain is over 33 dB. The maximum power is 25 W. Minimum required driving power is only 15 mW. This amplifier is recommended for testing, labs, Space research, Mil applications etc.

Dimensions: 7.56 " X 3.15 " X 0.87 ".



Technical Specifications	
Frequency range	2300..2500 MHz
Input power for P1dB	typ. 15 dBm
	typ. +12 dBm
Maximum input power	+17.5 dBm
Output power P1dB	typ. 44 dBm, min. 43 dBm (CW)
	typ. 25 W, min. 20 W (CW)
Output power COFDM (1)	typ. 39 dBm, min. 37.7 dBm
	typ. 8 W, min. 6 W
Gain (small signal)	typ. 33 dB, min. 30 dB
Gain flatness (small signal)	typ. +/-0.5 dB
Harmonic rejection	typ. 60 dB, min. 55 dB @ 43 dBm
IM3 (2)	min. 40 dBc @ 40 dBm PEP (2)
Efficiency	min. 20 % @ 43 dBm (CW)
Input return loss (S11)	min. 13 dB
ON voltage	+5 ... 14 V DC
Supply voltage	+11 ... 14 V DC
Quiescent current	typ. 7.3 A
Current consumption	typ. 7.5 A
Forward detection	yes (diode detector)
Reflected power detection	yes (diode detector)
Operating case temp. range	-20 ... +55 °C
Input connector / impedance	N-female / 50 ohms
Output connector / impedance	N-female, 50 ohms
Case	milled aluminium
Dimensions (mm)	7.56 " X 3.15 " X 0.87 "
Weight	550 g (typ.)
(1)	Measured with QAM 64, single carrier, EVM: 2%
(2)	Measured 2-tone, frequency spacing: 1 MHz