



ZHM2325-20A 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 55 dB. The maximum power is 25 W. Minimum required driving power is only -8 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. -9 dBm
Maximum input power	-5 dBm
Output power P1dB	typ. 43.8 dBm, min. 43 dBm (CW)
	typ. 24 W, min. 20 W (CW)
Output power P3dB	min. 44 dBm (CW)
	min. 25 W (CW)
Output power COFDM (1)	min. 38.4 dBm (1)
	min. 7 W
Gain (small signal)	typ. 55 dB, min. 53 dB
Gain flatness (small signal)	typ. +/- 1 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. 15 dB
ON voltage	+5 ... 14 V DC
Supply voltage	+11 ... 14 V DC
Current consumption @ P1dB	typ. 8 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	1000 g (typ.)

(1)	Measured with QAM 64, single carrier, EVM: 2%
(2)	Measured 2-tone, frequency spacing: 1 MHz

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