



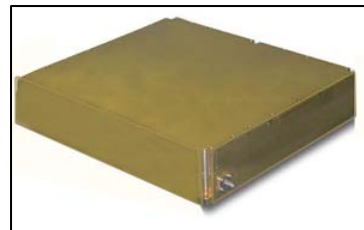
ZHM-2000/M

HIGH POWER AMPLIFIER

10 W, 800-2000 MHz

Features

- High power, 10 Watt
- Low Current consumption, 4A typ.
- High IP3, +50 dBm typ.
- Usable over 700 to 2200 MHz
- No damage with an open or short output load under full CW output power
- SMA Connector
-



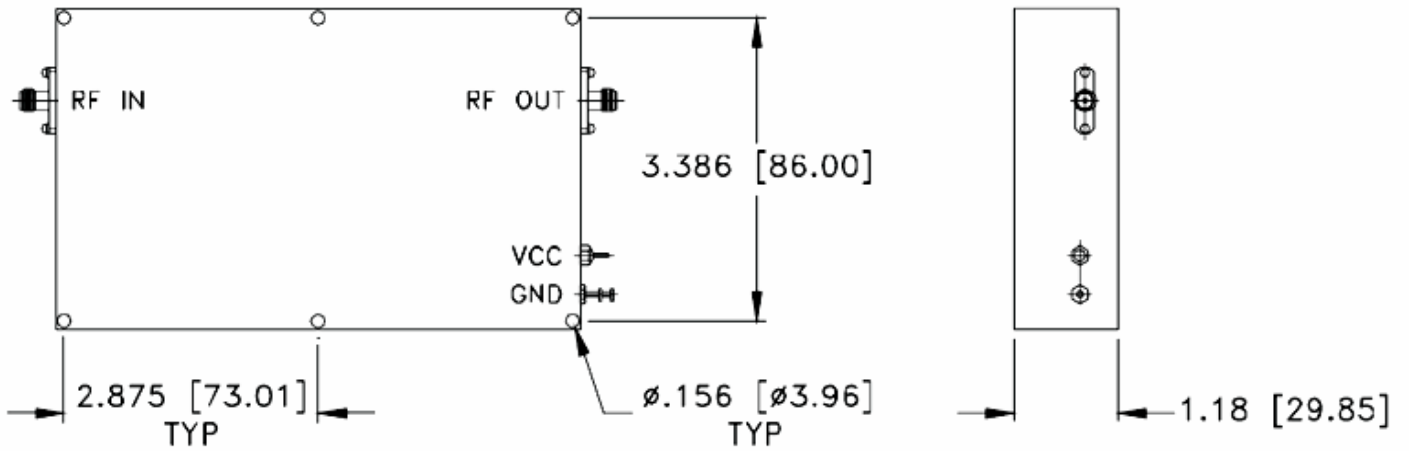
Applications

- Cellular
- PCN
- GSM
- ISM
- Lab Test

Electrical Specifications

Parameter	ZHM-2000/M			Units
	Min	Typ.	Max.	
Frequency Range	800		2000	MHz
Gain	40	43	49	dB
Gain Flatness			±2.0	dB
Output Power at 1dB compression	+39	+40		dBm
Saturated Output Power at 3dB compression	+40	+41		dBm
Noise Figure		7.0		dB
Output third order intercept point		+50		dBm
Input VSWR		1.3		:1
Output VSWR		1.3		:1
DC Supply Voltage		24	28	V
Supply Current			5.0	A

MOUNTING INFORMATION FOR MODELS WITHOUT HEATSINK



FREQUENCY (MHz)	GAIN (dB)			VSWR (:1)		NOISE FIGURE (dB)	POUT at 1 dB COMPR. (dBm)		IP3 (dBm)
	21V	24V	27V	IN	OUT		24V	24V	
800.00	43.87	43.85	43.83	1.33	1.05	5.15	40.81	52.13	
900.00	43.69	43.66	43.64	1.25	1.13	5.07	41.27	52.62	
1000.00	43.45	43.42	43.40	1.30	1.14	5.05	41.72	53.42	
1100.00	43.20	43.17	43.15	1.38	1.09	5.09	41.89	53.54	
1200.00	43.05	43.03	43.01	1.43	1.07	5.09	41.91	53.78	
1300.00	43.21	43.19	43.17	1.42	1.17	5.08	41.56	54.28	
1400.00	43.41	43.40	43.39	1.37	1.20	5.11	40.89	52.92	
1500.00	43.47	43.44	43.43	1.32	1.12	5.11	40.66	52.84	
1600.00	43.44	43.40	43.37	1.26	1.09	5.13	40.27	51.87	
1700.00	43.51	43.45	43.41	1.22	1.18	5.15	39.69	51.58	
1800.00	43.81	43.72	43.67	1.17	1.27	5.23	40.05	51.60	
1900.00	44.56	44.43	44.37	1.11	1.29	5.24	40.58	52.24	
2000.00	44.57	44.45	44.38	1.12	1.34	5.30	40.29	50.67	

