

Coaxial Amplifier

ZHL-2

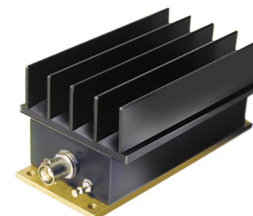
50Ω Medium High Power 10 to 1000 MHz

Features

- wideband, 10 to 1000 MHz
- high IP3, +38 dBm typ.
- medium high power, 29 dBm min.

Applications

- cellular
- VHF/UHF
- laboratory
- instrumentation



BNC version shown

CASE STYLE: T34

Connectors	Model	Price	Qty.
BNC	ZHL-2	\$349.00	(1-9)
N-TYPE	ZHL-2-N	\$359.00	(1-9)
SMA	ZHL-2-S	\$359.00	(1-9)

Amplifier Electrical Specifications

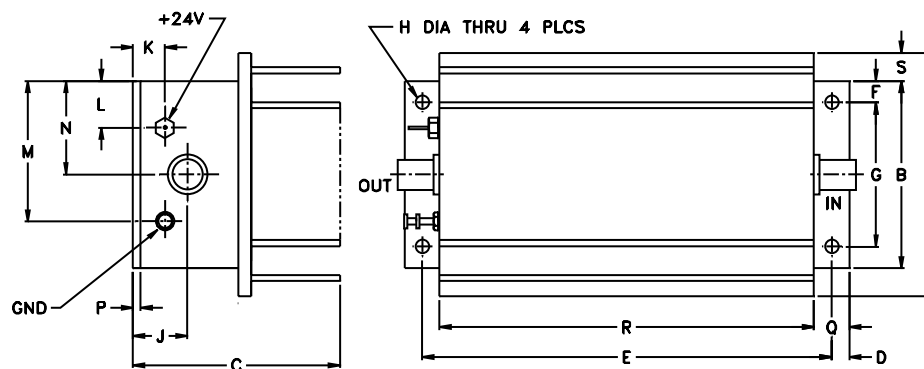
MODEL NO.	FREQUENCY (MHz)		GAIN (dB)		MAXIMUM POWER (dBm)		DYNAMIC RANGE		VSWR (:1) Max.		DC POWER	
	f_L	f_U	Min.	Flatness Max.	Output (1 dB Compr. min.)	Input (no damage)	NF (dB) Typ.	IP3 (dBm) Typ.	In	Out	Volt (V) Nom.	Current (A) Max.
ZHL-2	10	1000	16	±1.0	+29	+15	9.0	+38	2.0	2.0	24	0.6

Open load is not recommended, potentially can cause damage.
With no load derate max input power by 20 dB

Maximum Ratings

Operating Temperature	-20°C to 65°C
Storage Temperature	-55°C to 100°C
DC Voltage	+25V Max.

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H	J	
4.75	2.00	2.12	.19	4.375	.23	1.540	.144	.58	
120.65	50.80	53.85	4.83	111.13	5.84	39.12	3.66	14.73	
K	L	M	N	P	Q	R	S	T	wt
.34	.50	1.50	1.00	.12	.38	4.00	.30	2.60	grams
8.64	12.70	38.10	25.40	3.05	9.65	101.60	7.62	66.04	440.0



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FREQUENCY (MHz)	GAIN (dB)			DIRECTIVITY (dB)			VSWR (:1)		NOISE FIGURE (dB)	POUT at 1 dB COMPR. (dBm)
	23V	24V	24.5V	23V	24V	24.5V	IN	OUT	24V	24V
10.00	17.75	17.77	17.76	26.10	26.00	26.10	1.58	1.87	9.19	30.71
22.60	18.12	18.13	18.12	25.40	25.50	25.40	1.08	1.80	8.56	30.73
66.80	18.07	18.07	18.07	25.70	25.50	25.60	1.11	1.76	7.95	30.87
197.60	18.00	18.01	18.00	25.70	25.80	25.70	1.23	1.59	8.11	31.07
390.80	17.63	17.63	17.64	26.60	26.50	26.50	1.43	1.22	8.46	30.68
492.30	17.42	17.42	17.43	27.00	27.00	26.90	1.54	1.09	8.54	30.19
619.20	17.13	17.13	17.12	27.40	27.30	27.40	1.65	1.20	8.58	29.67
746.20	17.19	17.19	17.19	26.60	26.80	26.70	1.71	1.20	8.69	29.40
873.10	17.31	17.32	17.31	24.90	24.90	24.80	1.70	1.15	9.06	29.40
1000.00	17.84	17.83	17.85	21.90	22.00	21.80	1.39	1.26	9.69	29.28

