

Coaxial Amplifier

ZHL-32A

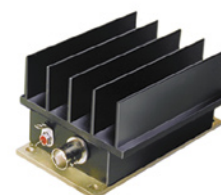
50Ω Medium High Power 0.05 to 130 MHz

Features

- high IP3, +38 dBm typ.
- medium high power, 29 dBm min.

Applications

- HF/VHF
- communication systems
- laboratory
- instrumentations



BNC version shown
CASE STYLE: S32

Connectors	Model	Price	Qty.
BNC	ZHL-32A	\$229.00	(1-9)
SMA	ZHL-32A-S	\$239.00	(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-32A	0.05	130	25	±1.0	+29	+10	10.0	+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

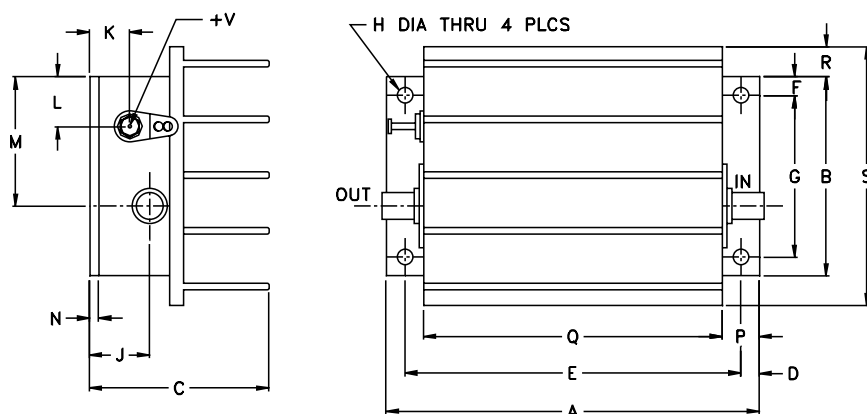
Maximum Ratings

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	
3.75	2.00	1.8	.19	3.375	.19	1.625	.144	.50	
95.25	50.80	45.72	4.83	85.73	4.83	41.28	3.66	12.70	
K	L	M	N	P	Q	R	S	T	wt
.40	.50	1.30	.10	.38	3.00	.30	2.60	.80	grams
10.16	12.70	33.02	2.54	9.65	76.20	7.62	66.04	20.32	220.0



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M103461
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060210
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Typical Performance Data/Curves

ZHL-32A

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		
0.05	26.65	26.67	26.69	15.10	15.10	15.10	1.02	2.00		32.21
0.14	27.27	27.30	27.31	13.80	13.80	13.80	1.03	1.65		32.68
0.68	27.41	27.44	27.45	13.50	13.50	13.40	1.04	1.58		32.83
3.20	27.57	27.60	27.63	13.10	13.10	13.20	1.08	1.62		32.99
15.30	27.45	27.48	27.49	13.30	13.20	13.20	1.20	1.61	5.85	32.76
46.70	27.12	27.16	27.18	13.50	13.50	13.40	1.38	1.52	6.00	31.88
56.70	27.18	27.21	27.24	13.40	13.50	13.40	1.39	1.56	6.04	31.83
66.70	27.35	27.38	27.40	13.20	13.30	13.30	1.36	1.56	6.04	31.43
73.40	27.55	27.59	27.60	13.00	13.10	13.10	1.33	1.57	6.02	31.30
80.00	27.76	27.81	27.83	13.00	13.00	12.90	1.30	1.56	5.99	31.33
90.00	28.00	28.04	28.06	12.90	12.70	12.80	1.28	1.50	6.00	30.98
100.00	27.97	28.03	28.05	12.90	12.90	13.00	1.29	1.39	6.08	30.47
110.00	27.75	27.80	27.83	13.20	13.10	13.20	1.32	1.29	6.19	30.06
120.00	27.32	27.37	27.40	13.60	13.60	13.50	1.36	1.19	6.31	30.17
130.00	26.64	26.71	26.72	14.20	14.20	14.20	1.43	1.15	6.45	29.82

