

Coaxial Amplifier

ZHL-32A

50Ω Medium High Power 0.05 to 130 MHz

Features

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

Applications

- HF/VHF
- instrumentation
- communication systems
- laboratory



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)

Electrical Specifications

MODEL NO.	FREQ. (MHz)		GAIN (dB)		MAXIMUM POWER OUTPUT (dBm)		DYNAMIC RANGE		VSWR (-1) Max.		DC POWER	
	f_L	f_U	Min.	Flatness Max.	(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

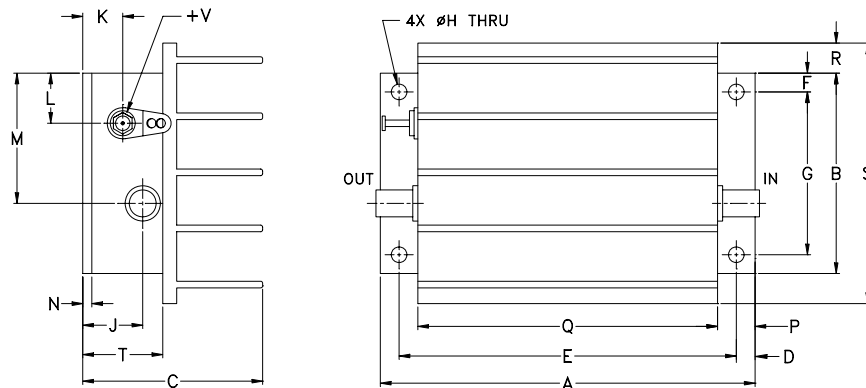
Operating Temperature -20°C to 65°C

Storage Temperature -55°C to 100°C

DC Voltage +25V Max.

Permanent damage may occur if any of these limits are exceeded.

Outline Drawing



Outline Dimensions (inch / mm)

A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	wt
3.75	2.00	1.80	.19	3.375	.19	1.625	.144	.50	.40	.50	1.30	.10	.38	3.00	.30	2.60	.80	grams
95.25	50.80	45.72	4.83	85.73	4.83	41.28	3.66	12.70	10.16	12.70	33.02	2.54	9.65	76.20	7.62	66.04	20.32	220.0

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For detailed performance specs & shopping online see web site

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IF/RF MICROWAVE COMPONENTS

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FREQUENCY (MHz)	GAIN (dB)			DIRECTIVITY (dB)			VSWR (:1)		NOISE FIGURE (dB)	P _{OUT} 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

