

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
BNC	ZHL-32A+
SMA	ZHL-32A-S+

+RoHS Compliant

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

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

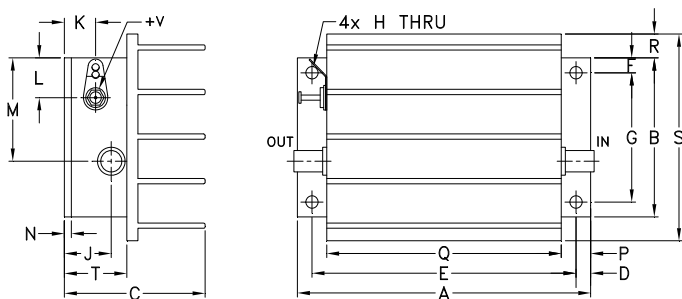
Operating Temperature -20°C to 65°C

Storage Temperature -55°C to 100°C

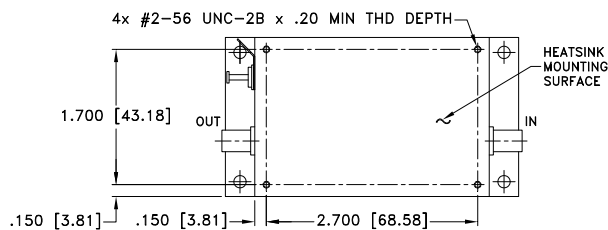
DC Voltage +25V Max.

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

Outline Drawing



MOUNTING INFORMATION FOR MODELS WITHOUT HEATSINK



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
wt. w/o heat sink																		150

Notes

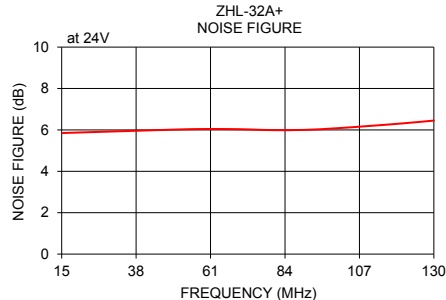
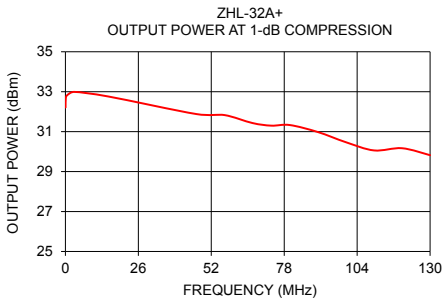
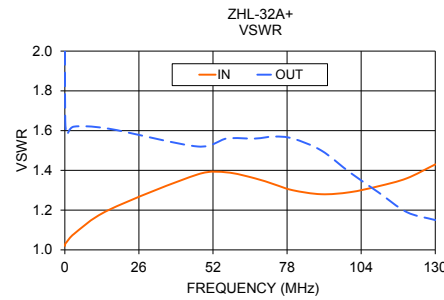
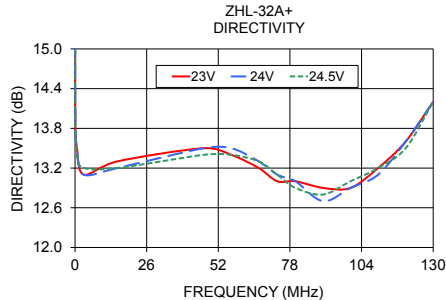
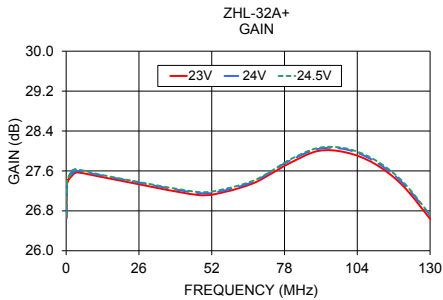
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ZHL-32A+
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Page 1 of 2

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



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