

Coaxial Amplifier

ZHL-211

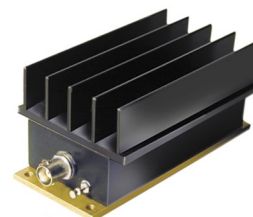
50Ω Medium High Power 800 to 950 MHz

Features

- excellent flatness, ± 0.4 dB
- high IP3, +38 dBm typ.
- medium high power, 29 dBm min.

Applications

- cellular
- instrumentation
- laboratory



BNC version shown
CASE STYLE: T34

Connectors	Model	Price	Qty.
BNC	ZHL-211	\$295.00	(1-9)
SMA	ZHL-211-S	\$295.00	(1-9)

Amplifier Electrical Specifications

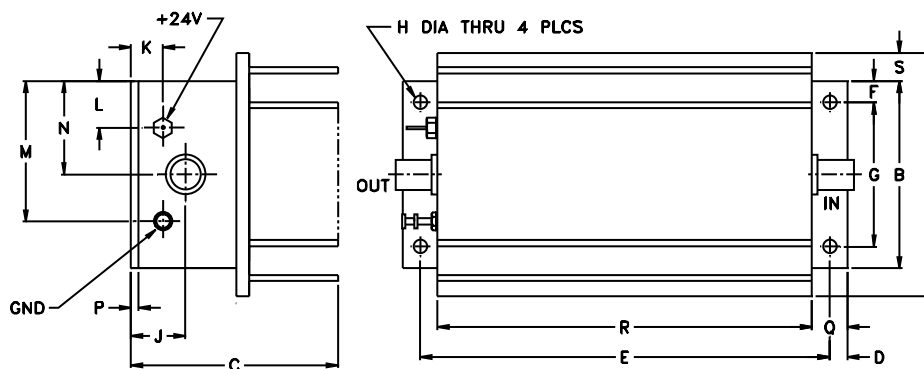
MODEL NO.	FREQUENCY (MHz)		GAIN (dB)		MAXIMUM POWER (dBm)		DYNAMIC RANGE		VSWR (:1) Max.		DC POWER	
	f_L	f_U	Min.	Flatness Max.	Output (1 dB Compr. min.)	Input (no damage)	NF (dB) Typ.	IP3 (dBm) Typ.	In	Out	Volt (V) Nom.	Current (A) Max.
ZHL-211	800	950	20	± 0.4	+29	+15	8.0	+38	1.8	1.8	24	0.6

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)	VSWR (:1)		NOISE FIGURE (dB)	POUT at 1 dB COMPR. (dBm)
	24V	IN	OUT	24V	24V
800.00	22.11	1.31	1.32	8.56	30.85
807.50	22.12	1.31	1.31	8.52	31.06
822.50	22.16	1.30	1.30	8.49	30.85
837.50	22.22	1.30	1.29	8.44	30.68
852.50	22.24	1.29	1.28	8.59	30.65
867.50	22.22	1.27	1.27	8.55	30.49
882.50	22.20	1.25	1.26	8.37	30.44
920.00	22.29	1.20	1.24	8.35	30.48
935.00	22.35	1.19	1.23	8.34	30.42
950.00	22.38	1.18	1.22	8.31	30.33

