

High IP3

Low Noise Amplifier

ZHL-1010-75

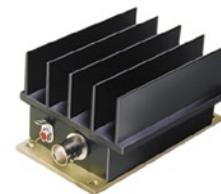
75Ω Medium High Power 50 to 1000 MHz

Features

- wideband, 50 to 1000 MHz
- low noise, 3.5 dB typ.
- high IP3, +47 dBm typ.
- very high IP2, 68-83 dBm typ.

Applications

- cellular
- VHF/UHF
- catv
- instrumentation



CASE STYLE: S32

Connectors	Model	Price	Qty.
BNC	ZHL-1010-75	\$149.95	(1-9)

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-1010-75	50	1000	9.5	±0.7	+26	+20	3.5	+47	1.5	1.5	12	0.525

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

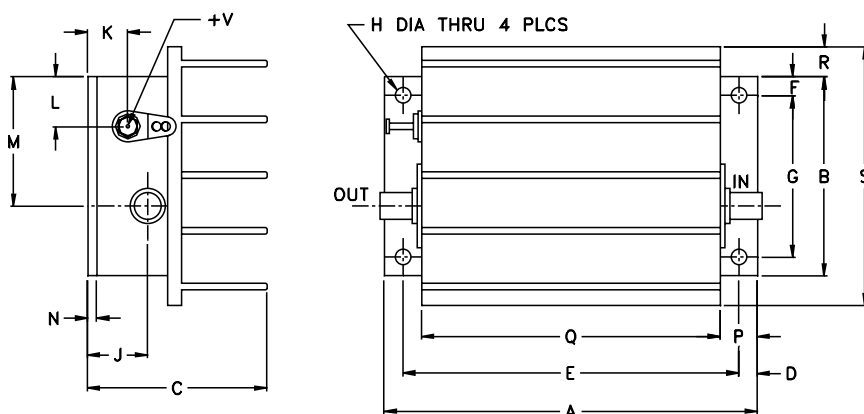
Maximum Ratings

Operating Temperature -20°C to 65°C

Storage Temperature -55°C to 100°C

DC Voltage +13V 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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REV. OR
M98142
ZHL-1010-75
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FREQUENCY (MHz)	GAIN (dB)	VSWR (:1)	
		IN	OUT
50.00	11.44	1.19	1.14
164.00	11.44	1.08	1.05
240.00	11.40	1.07	1.07
354.00	11.34	1.11	1.11
468.00	11.28	1.11	1.12
544.00	11.21	1.10	1.09
658.00	11.15	1.07	1.03
772.00	11.04	1.12	1.11
848.00	10.94	1.18	1.11
962.00	10.88	1.12	1.06
1000.00	10.89	1.08	1.16

