

Coaxial

Broadband Amplifier

ZFL-1000GH+ ZFL-1000GH

50Ω Variable Gain 10 to 1200 MHz



CASE STYLE: Y39

Features

- wideband, 10 to 1200 MHz
- rugged, shielded case

Applications

- VHF/UHF
- cellular
- AGC applications

Connectors	Model	Price	Qty.
SMA	ZFL-1000GH(+)	\$309.00 ea.	(1-9)
BRACKET (OPTION "B")		\$2.50	(1+)

+ RoHS compliant in accordance with EU Directive (2002/95/EC)

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

Broadband Amplifier Electrical Specifications

MODEL NO.	FREQUENCY (MHz)		GAIN (dB)			MAXIMUM POWER (dBm)		DYNAMIC RANGE		VSWR (:1) Typ.		DC POWER	
	f _L	f _U	Min.	Flatness Max.	Control Range	Output (1 dB Compr.)	Input (no damage)	NF (dB) Typ.	IP3 (dBm) Typ.	In	Out	Volt (V) Nom.	Current (mA) Max.
ZFL-1000GH(+)	10	1200	24	±1.5	30**	+13	+10	15	+25	2.2	2.0	15	170

All specifications at 0 volt control voltage

**Response time (10% to 90%) 25µsec, control voltage 0 to 5V

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 71°C

Storage Temperature -55°C to 100°C

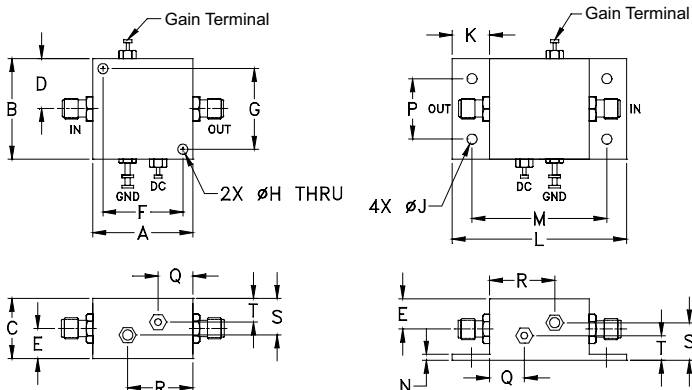
DC Voltage +17V Max.

Outline Drawing

STANDARD

OPTION "B"

INVERTED ORIENTATION. SEE CATALOG FOR APPLICABLE MODELS



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	wt.
1.25	1.25	.75	.63	.36	1.000	1.000	.125	.125	.46	2.18	1.688	.06	.750	.50	.80	.45	.29	grams
31.75	31.75	19.05	16.00	9.14	25.40	25.40	3.18	3.18	11.68	55.37	42.88	1.52	19.05	12.70	20.32	11.43	7.37	38



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site



The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com

RF/IF MICROWAVE COMPONENTS

Typical Performance Data/Curves

ZFL-1000GH+ ZFL-1000GH

FREQUENCY (MHz)	GAIN (dB)			DIRECTIVITY (dB)			VSWR (:1)		NOISE FIGURE (dB)	POUT at 1 dB COMPR. (dBm)
	12V	15V	16V	12V	15V	16V	IN	OUT		
10.00	27.54	31.27	31.66	39.90	29.30	31.90	1.12	1.49	17.02	17.04
17.70	27.35	31.14	31.50	29.60	22.40	31.20	1.12	1.48	16.97	17.36
41.60	27.35	31.43	31.48	36.60	39.50	46.90	1.12	1.48	16.83	17.35
97.80	27.70	32.02	31.82	27.40	29.00	27.50	1.14	1.49	16.77	17.17
230.00	28.29	32.69	32.42	28.20	24.40	20.40	1.18	1.46	16.45	16.94
437.20	28.19	32.70	32.38	29.30	24.80	25.60	1.33	1.40	15.62	16.66
528.70	27.51	31.97	31.66	26.00	27.70	25.20	1.41	1.38	15.19	16.71
620.30	27.82	32.29	31.97	23.20	22.40	30.20	1.50	1.35	14.75	16.71
681.30	28.06	32.53	32.23	30.60	27.10	30.30	1.54	1.36	14.50	16.65
742.30	27.49	31.98	31.66	30.10	27.10	23.50	1.57	1.36	14.25	16.62
833.80	27.74	32.30	31.98	28.00	27.70	21.50	1.62	1.37	13.94	16.46
925.40	27.20	31.88	31.54	31.30	19.00	27.50	1.64	1.40	13.60	16.23
1016.90	27.85	32.75	32.41	27.40	17.80	19.20	1.64	1.47	13.23	15.84
1108.50	27.50	32.66	32.31	32.90	14.20	21.00	1.62	1.56	12.84	15.32
1200.00	27.37	32.77	32.38	28.40	25.30	23.70	1.58	1.71	12.50	14.68

