Coaxial

Amplifier

ZFL-1000H

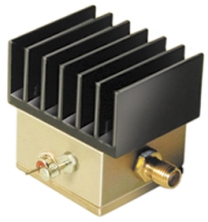
50Ω Medium Power 10 to 1000 MHz

Features

- wideband, 10 to 1000 MHz
- low noise, 5 dB typ.
- high IP3, +33 dBm typ.
- protected by US Patent, 6,943,629

Applications

- cellular
- VHF/UHF
- test equipment



CASE STYLE: SS98

Connectors	Model	Price	Qty.
SMA	ZFL-1000H	$219.00	(1-9)
BRACKET (OPTION "B")		$2.50	(1+)

Amplifier Electrical Specifications

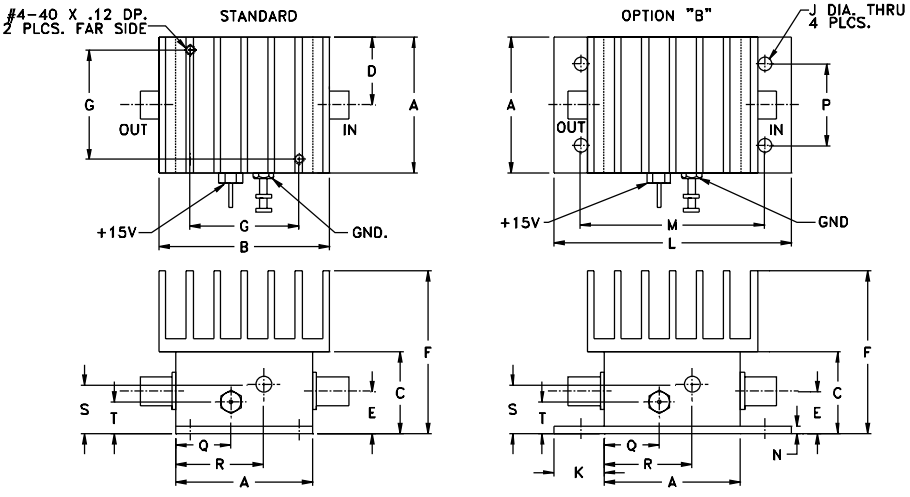
MODEL NO.	FREQUENCY (MHz)		GAIN (dB)		MAXIMUM POWER (dBm)		DYNAMIC RANGE		VSWR (:1) Typ.		DC POWER	
	f_L	f_U	Min.	Flatness Max.	Output (1 dB Compr.)	Input (no damage)	NF (dB) Typ.	IP3 (dBm) Typ.	In	Out	Volt (V) Nom.	Current (mA) Max.
ZFL-1000H	10	1000	28	±1.0	+20	+5	5.0	+33	2.0	2.0	15	160

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

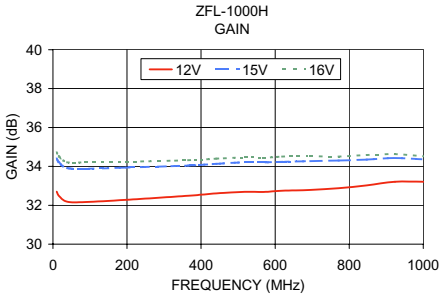


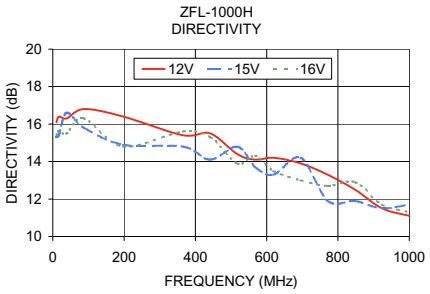
Outline Dimensions (inch / mm)

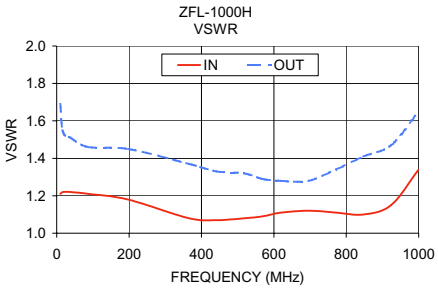
A	B	C	D	E	F	G	H	J
1.25	1.56	.75	.63	.39	1.50	1.000	--	.125
31.75	39.62	19.05	16.00	9.91	38.10	25.40	--	3.18

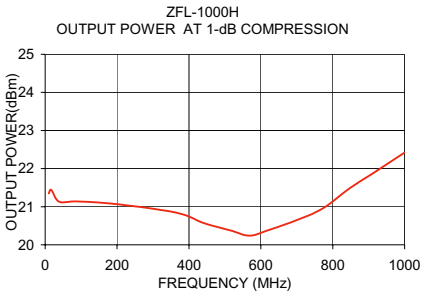
K	L	M	N	P	Q	R	S	T	wt
.46	2.18	1.688	.07	.750	.50	.80	.45	.29	grams
11.68	55.37	42.88	1.78	19.05	12.70	20.32	11.43	7.37	85.0

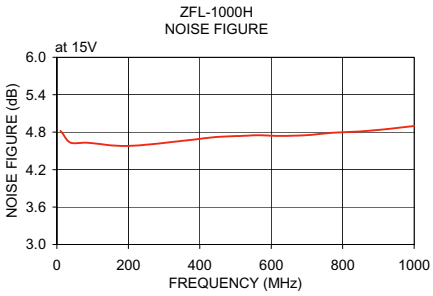
FREQUENCY (MHz)	GAIN (dB)			DIRECTIVITY (dB)			VSWR (:1)		NOISE FIGURE (dB)	POUT at 1 dB COMPR. (dBm)
	12V	15V	16V	12V	15V	16V	IN	OUT	15V	15V
10.00	32.70	34.40	34.71	16.10	15.30	15.40	1.21	1.69	4.82	21.35
17.20	32.46	34.18	34.49	16.40	15.40	15.60	1.22	1.54	4.77	21.44
38.80	32.18	33.91	34.21	16.30	16.60	15.50	1.22	1.51	4.63	21.13
87.60	32.17	33.88	34.20	16.80	15.80	16.30	1.21	1.46	4.63	21.14
197.60	32.28	33.94	34.24	16.40	14.90	14.80	1.18	1.45	4.58	21.07
365.40	32.49	34.04	34.32	15.40	14.80	15.60	1.08	1.37	4.67	20.84
441.50	32.61	34.13	34.40	15.50	14.10	15.30	1.07	1.33	4.72	20.57
517.70	32.69	34.21	34.46	14.40	14.80	13.90	1.08	1.32	4.74	20.37
568.50	32.68	34.20	34.45	14.10	13.70	14.30	1.09	1.29	4.75	20.24
619.20	32.75	34.24	34.50	14.20	13.30	13.50	1.11	1.28	4.74	20.38
695.40	32.79	34.27	34.52	13.90	14.20	13.00	1.12	1.28	4.75	20.63
771.50	32.88	34.30	34.50	13.30	11.90	12.70	1.11	1.34	4.79	20.95
847.70	33.02	34.35	34.58	12.50	11.90	12.90	1.10	1.41	4.81	21.49
923.80	33.21	34.43	34.63	11.50	11.50	11.70	1.15	1.47	4.85	21.95
1000.00	33.21	34.36	34.52	11.10	11.70	11.30	1.34	1.65	4.90	22.42











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