

Coaxial Amplifier

ZFL-11AD

50Ω High Isolation 2 to 2000 MHz

Features

- wideband, 2 to 2000 MHz
- rugged, shielded case

Applications

- receivers
- two-tone, 3rd order IM testing
- cellular
- satellite communication
- GPS



CASE STYLE: Y460

Connectors	Model	Price	Qty.
SMA	ZFL-11AD	\$91.95	(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.		ACTIVE DIRECTIVITY* (dB)				DC POWER	
																	Volt (V) Nom.	Current (mA) Max.
	f _L	f _U	Min.	m	Flatness Max. Total Range	L	U	Input (no damage)	NF (dB) Typ.	IP3 (dBm) Typ.	In	Out	L Typ.	Min.	U Typ.	Min.		
ZFL-11AD	2	2000	8	±0.5	±1.3	-2	-3.5**	+10	6.5	+14	2.5	2.0	21	14	16	12	15	22

*Active Directivity(dB)= Isolation (dB)- Gain (dB)

**Above 1 GHz, -5 dBm min.

Open load is not recommended, potentially can cause damage.

With no load derate max input power by 20 dB

L= low range (f_L to $f_U/2$)

m= mid range ($2f_L$ to $f_U/2$)

U= upper range ($f_U/2$ to f_U)

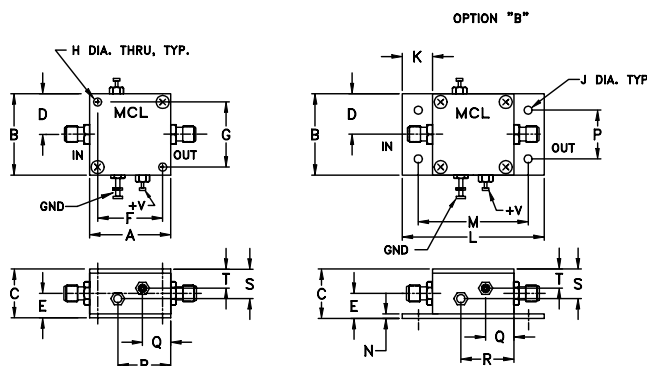
Maximum Ratings

Operating Temperature -20°C to 71°C

Storage Temperature -55°C to 100°C

DC Voltage +16V Max.

Outline Drawing



Outline Dimensions (inch/mm)

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



INTERNET <http://www.minicircuits.com>

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661

Distribution Centers NORTH AMERICA 800-654-7949 • 417-335-5935 • Fax 417-335-5945 • EUROPE 44-1252-832600 • Fax 44-1252-837010

Mini-Circuits ISO 9001 & ISO 14001 Certified

REV. OR
M98087
ZFL-11AD
060825
Page 1 of 2

Typical Performance Data/Curves

ZFL-11AD

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		
2.00	6.79	10.76	11.24	26.50	26.60	27.20	1.47	1.74	—	0.31
7.60	7.04	10.99	11.47	25.80	26.10	26.50	1.45	1.65	—	0.21
45.70	7.10	10.99	11.47	25.60	25.90	26.30	1.45	1.64	5.56	0.01
273.20	7.24	11.07	11.54	24.00	23.90	24.00	1.47	1.71	5.53	0.05
770.50	7.50	11.21	11.65	19.30	18.10	18.00	1.63	1.92	5.75	0.02
975.40	7.83	11.63	12.08	17.80	16.70	16.60	1.69	1.90	5.88	0.49
1231.50	7.71	11.46	11.91	16.80	15.10	14.90	1.79	1.76	5.88	1.40
1487.70	7.87	11.42	11.82	16.30	15.00	14.70	1.77	1.58	6.09	1.87
1743.80	7.95	10.91	11.19	15.70	14.90	14.80	1.84	1.38	6.49	1.41
2000.00	7.50	9.96	10.19	15.20	15.20	15.20	1.86	1.33	6.62	1.50

