

Coaxial

Low Noise Amplifier

ZHL-1724MLN

50Ω 1700 to 2400 MHz

Features

- very low noise, 1.5 dB max
- wideband, 1700 to 2400 MHz
- good IP3, +32 dBm typ.

Applications

- PCS/DCS
- UMTS
- communication systems



CASE STYLE: S32

Connectors	Model	Price	Qty.
SMA	ZHL-1724MLN	\$295.00	(1-9)

Low Noise Amplifier Electrical Specifications

MODEL NO.	FREQUENCY (MHz)		NOISE FIGURE (dB)	GAIN (dB)		MAXIMUM POWER (dBm)		INTERCEPT POINT (dBm)	VSWR (-1) Max.		DC POWER	
	f_L	f_U		Min.	Flatness Max.	Output (1 dB Compr.) Typ.	Input (no damage)		IP3 Typ.	In	Out	Volt (V) Nom.
ZHL-1724MLN	1700	2400	1.5	28	±1.0	+20	0	+32	2.5	2.5	15	300

Noise Figure specified at room temperature, increases to 2.3 dB max. at +65°C

Open load is not recommended, potentially can cause damage.

With no load derate max input power by 20 dB

Maximum Ratings

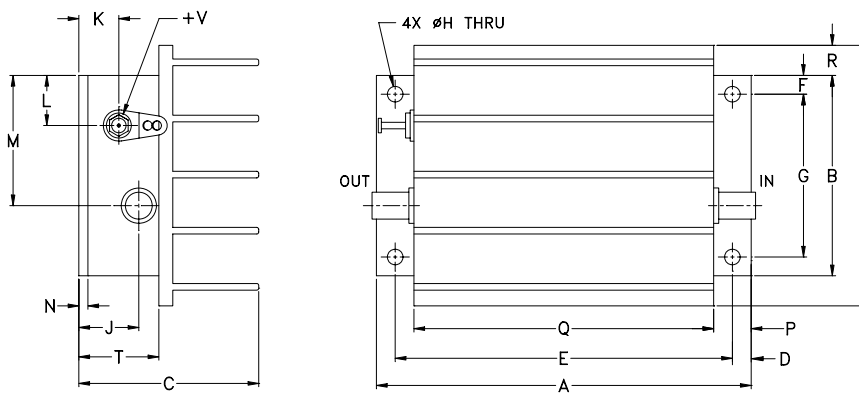
Operating Temperature -20°C to 65°C

Storage Temperature -55°C to 100°C

DC Voltage +17V Max.

Permanent damage may occur if any of these limits are exceeded.

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	wt
3.75	2.00	1.80	.19	3.375	.19	1.625	.144	.50	.40	.50	1.30	.10	.38	3.00	.30	2.60	.80	grams
95.25	50.80	45.72	4.83	85.73	4.83	41.28	3.66	12.70	10.16	12.70	33.02	2.54	9.65	76.20	7.62	66.04	20.32	220.0



For detailed performance specs & shopping online see web site

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 The Design Engineers Search Engine Provides ACTUAL Data Instantly at minicircuits.com

IF/RF MICROWAVE COMPONENTS

Notes: 1. Performance and quality attributes and conditions not expressly stated in this specification sheet are intended to be excluded and do not form a part of this specification sheet. 2. Electrical specifications and performance data contained herein are based on Mini-Circuit's applicable established test performance criteria and measurement instructions. 3. The parts covered by this specification sheet are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp.

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		
1700.00	29.92	30.34	30.33	34.40	32.60	32.90	2.02	1.54	1.09	22.79
1777.80	30.07	30.53	30.51	31.30	33.50	35.00	1.69	1.39	1.13	22.90
1855.50	29.96	30.44	30.43	30.80	31.40	34.60	1.48	1.24	1.12	23.05
1933.30	29.99	30.39	30.35	31.80	35.80	32.90	1.31	1.11	1.09	22.96
2011.10	30.09	30.34	30.24	30.30	31.90	29.30	1.18	1.04	1.07	23.04
2088.90	30.11	30.30	30.18	32.00	35.20	35.40	1.07	1.16	1.08	22.66
2166.70	30.08	30.30	30.19	30.10	29.30	29.50	1.10	1.31	1.10	22.71
2244.40	30.10	30.20	30.07	27.00	27.90	29.40	1.22	1.48	1.12	22.57
2322.20	30.01	29.91	29.72	25.10	28.30	27.20	1.40	1.68	1.13	21.96
2400.00	29.83	29.69	29.49	26.40	26.30	25.40	1.64	1.90	1.11	21.82

