Low Noise Amplifier

ZX60-33LN+

 50Ω

50 to 3000 MHz

Features

- wide bandwidth, 50 to 3000 MHz
- low noise figure 1.0 dB typ.
- output power, up to 17.5 dBm typ.
- protected by US patent 6,790,049

Applications

- front-end amplifier
- cellular
- GPS
- bluetooth
- lab
- instrumentation
- test equipment



CASE STYLE: GC957

Connectors	Model	Price	Qty.
SMA	ZX60-33LN-S+	\$79.95 ea.	(1-9)

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

The +Suffix has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

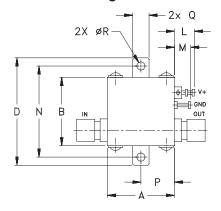
Electrical Specifications T_{AMB}=25°C

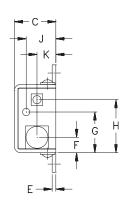
MODEL NO.	FREQUENCY (MHz)	DC VOLTS (V)	NO FIGI (d	JRE			GAIN (dB)			МА	XIMUN (dB	POWER m)	INTERCEPT POINT (dBm)	(:	WR :1) /p.	D OPER CURI @Pi (m	ATING RENT
	f _L . f _U		Тур.	Max.	over	frequ	ency,	GHz 3.0	Min. at 2 GHz		tput Compr.) Min.	Input (no damage)	Тур.	In	Out	Тур.	Max.
ZX60-33LN+	50-3000	5.0	1.1	1.9	21.9	18.8	14.5	11.9	13.0	16.5	14.5	+13	32	2.0	1.6	70	80

Maximum Ratings

Operating Temperature	-40°C to 85°C case
Storage Temperature	-55°C to 100°C
DC Voltage	5.5V
Input Power (no damage)	13 dBm
Power	0.44W

Outline Drawing





Outline Dimensions (inch)

wt	R	Q	Р	N	M	L	K	J	Н	G	F	E	D	С	В	Α
grams	.106	.18	.37	1.00	.18	.22	.21	.33	.59	.45	.17	.04	1.18	.46	.75	.74
22.0	2.60	4.57	0.40	25.40	4.57	E EO	E 00	0.00	14.00	11 10	4.00	1.00	20.07	11 60	10.05	10.00



FREQUENCY (MHz)		GAIN (dB)		DIRECTIVITY (dB)		VSWR IN (:1)		VSWR OUT (:1)		NOISE FIGURE (dB)		POUT at 1dB COMPR. (dBm)		IP3 (dBm)	
	3V	5V	3V	5V	3V	5V	3V	5V	3V	5V	3V	5V	3V	5V	
50.00	21.75	21.99	5.60	5.48	1.89	1.93	1.26	1.27	1.26	1.60	16.47	17.63	28.47	31.95	
100.00	21.65	21.94	5.12	4.98	1.78	1.85	1.15	1.12	0.96	1.11	16.67	17.55	28.75	32.29	
200.00	21.54	21.84	5.05	4.95	1.77	1.85	1.08	1.07	1.09	0.97	16.68	17.71	29.11	32.08	
300.00	21.34	21.63	5.24	5.24	1.79	1.88	1.05	1.11	0.90	0.98	16.66	17.66	29.31	32.09	
400.00	21.06	21.32	5.64	5.74	1.83	1.93	1.03	1.16	0.92	0.99	16.93	17.86	29.63	32.27	
500.00	20.71	20.94	6.09	6.37	1.88	1.99	1.04	1.22	0.92	1.01	16.83	17.87	29.86	32.51	
600.00	20.28	20.47	6.67	7.17	1.94	2.05	1.07	1.28	0.94	1.04	16.94	17.88	29.59	32.48	
700.00	19.61	19.76	7.73	8.45	1.87	1.98	1.14	1.35	1.20	1.30	16.80	17.87	29.35	32.33	
800.00	19.37	19.46	7.82	8.83	2.03	2.16	1.15	1.40	0.95	1.04	16.79	17.80	29.32	32.03	
900.00	19.11	19.19	8.08	9.32	1.78	1.90	1.20	1.42	0.95	1.03	16.61	17.66	29.23	31.29	
1000.00	18.80	18.82	8.35	9.88	1.97	2.09	1.22	1.48	0.87	0.96	16.72	17.56	29.10	30.95	
1500.00	16.71	16.54	10.35	13.28	2.16	2.27	1.42	1.76	0.85	0.95	15.92	16.91	28.04	30.66	
2000.00	14.79	14.51	11.49	14.99	2.14	2.18	1.62	2.01	1.05	1.20	15.62	16.63	27.99	28.58	
2500.00	13.42	13.11	11.42	14.60	2.00	1.94	1.75	2.15	1.03	1.18	16.37	16.83	27.92	28.55	
3000.00	12.22	11.90	11.12	13.78	1.75	1.63	1.76	2.17	1.20	1.33	16.50	16.95	28.16	28.14	

