

Low Noise Amplifier

ZX60-362GLN+
50Ω
3300 to 3600 MHz

Features

- Ultra low noise figure, 0.9 dB typ.
- Output power, up to +16 dBm typ.
- Good output IP3, 29 dBm typ.
- Good return loss
- Unconditionally stable
- Protected by US patent 6,790,049

Applications

- WiMAX
- Defence system radar
- Base transceiver station, tower mounted amplifier, repeater
- General purpose low noise amplifier
- Lab
- Instrumentation
- Test equipment



Case Style: GA955

Connectors	Model
SMA	ZX60-362GLN-S+

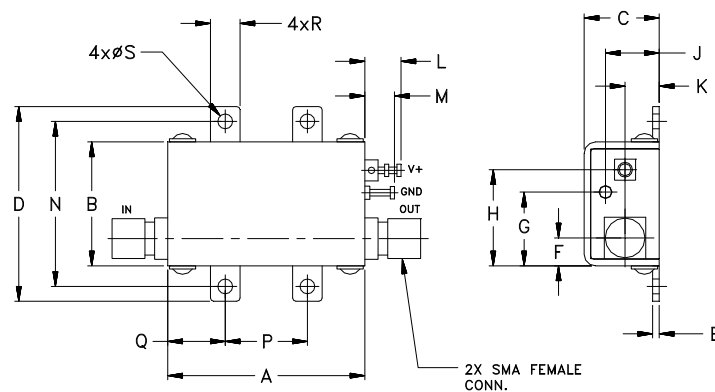
+RoHS Compliant

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

Electrical Specifications at 25°C

Parameter	Condition (MHz)	Min.	Typ.	Max.	Units
Frequency Range		3300		3600	MHz
Noise Figure	3300-3600		0.9	1.2	dB
Gain	3300-3600	18	20		dB
Gain Flatness	3300-3600		± 0.3	± 0.6	dB
Output Power at 1dB compression	3300-3600	13	16		dBm
Output third order intercept point	3300-3600		29		dBm
Input VSWR	3300-3600		1.2		:1
Output VSWR	3300-3600		1.4		:1
Active Directivity	3300-3600		22		dB
DC Supply Voltage			5		V
Supply Current			100	140	mA

Outline Drawing



Maximum Ratings

Parameter	Ratings
Operating Temperature	-40°C to 85°C Case
Storage Temperature	-55°C to 100°C
DC Voltage	5.5 V
Input RF Power (no damage)	+15 dBm
Power Consumption	770 mW

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



NOTE: When soldering the DC connections, caution must be used to avoid overheating the DC terminals. See Application Note [AN-40-10](#).

Outline Dimensions (inch)

	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	wt.
	1.20	.75	.46	1.18	.04	.17	.45	.59	.33	.21	.22	.18	1.00	.50	.35	.18	.106	grams
	30.48	19.05	11.68	29.97	1.02	4.32	11.43	14.99	8.38	5.33	5.59	4.57	25.40	12.70	8.89	4.57	2.69	35.0

Notes

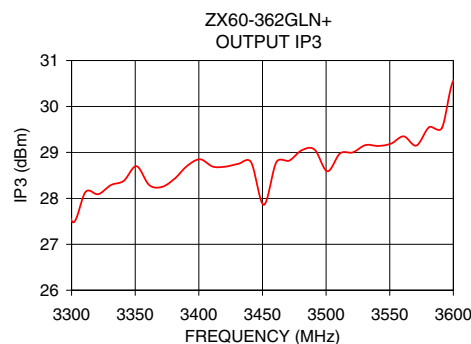
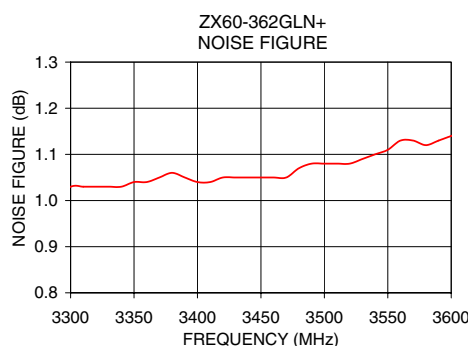
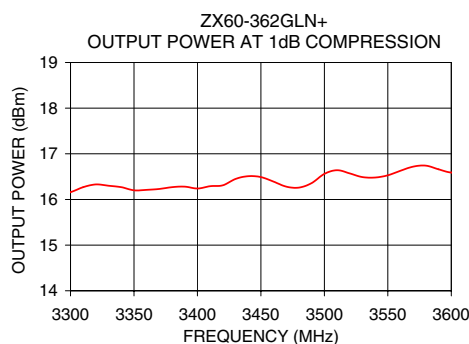
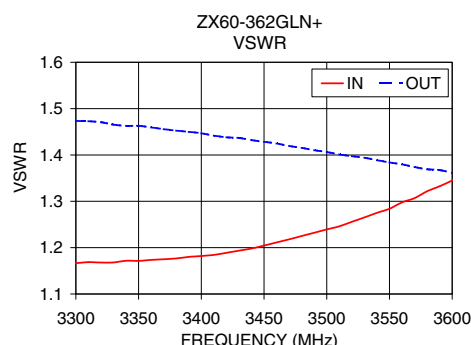
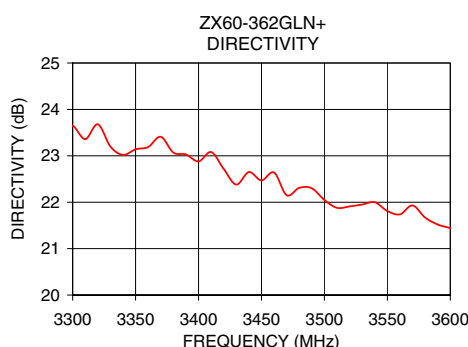
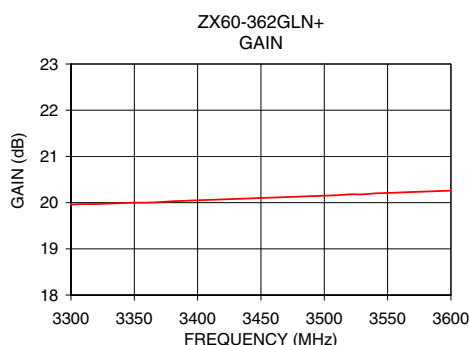
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FREQUENCY (MHz)	GAIN (dB)	DIRECTIVITY (dB)	VSWR IN (:1)	VSWR OUT (:1)	POWER OUT @ 1dB COMPRESSION (dBm)	OUTPUT IP3 (dBm)	NF (dB)
3300.00	19.96	23.65	1.17	1.47	16.16	27.48	1.03
3320.00	19.97	23.68	1.17	1.47	16.33	28.09	1.03
3330.00	19.98	23.20	1.17	1.47	16.30	28.29	1.03
3350.00	20.00	23.14	1.17	1.46	16.20	28.70	1.04
3360.00	20.00	23.19	1.17	1.46	16.21	28.29	1.04
3380.00	20.03	23.07	1.18	1.45	16.27	28.43	1.06
3400.00	20.05	22.88	1.18	1.45	16.24	28.85	1.04
3410.00	20.06	23.08	1.18	1.44	16.29	28.69	1.04
3430.00	20.08	22.38	1.19	1.44	16.45	28.75	1.05
3450.00	20.10	22.47	1.20	1.43	16.49	27.86	1.05
3470.00	20.12	22.15	1.22	1.42	16.28	28.82	1.05
3480.00	20.13	22.31	1.23	1.42	16.26	29.05	1.07
3500.00	20.15	22.05	1.24	1.41	16.56	28.59	1.08
3520.00	20.18	21.91	1.26	1.40	16.57	29.00	1.08
3530.00	20.18	21.95	1.27	1.39	16.49	29.16	1.09
3550.00	20.21	21.81	1.28	1.38	16.53	29.19	1.11
3560.00	20.22	21.74	1.30	1.38	16.63	29.35	1.13
3580.00	20.24	21.67	1.32	1.37	16.74	29.55	1.12
3590.00	20.25	21.52	1.33	1.37	16.66	29.53	1.13
3600.00	20.26	21.44	1.34	1.36	16.59	30.57	1.14



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