

Coaxial Amplifier

ZX60-ED13494/4

Important Note

This model has been designed, built and tested in our engineering department. Performance data represents model capability. At present it is a non-catalog model. On request, we can supply a final specification sheet, part number and price/delivery information.



Please click "Back", and then click "Contact Us" for Applications support.

CASE STYLE : GA955

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C				
Parameter	Min.	Typ.	Max.	Units
Frequency	4000		5800	MHz
Gain		24		dB
Output Power @ 1dB Compression		10		dBm
Noise Figure		2.0		dB
IP3		23		dBm
VSWR	IN	1.60		(:1)
	OUT	1.50		(:1)
DC Power	Voltage	12		V
	Current		80	mA

MAXIMUM RATINGS	
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
Input Power	13dBm

Low Noise Amplifier

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Typical Performance Data

FREQUENCY (MHz)	Gain (dB) 12V	Directivity (dB) 12V	VSWR IN (:1) 12V	VSWR OUT (:1) 12V	Noise Figure (dB) 12V	Pout @ 1dB Compression (dBm) 12V	Output IP3 (dBm) 12V
4000.0	24.96	39.46	2.29	1.70	1.93	9.43	22.51
4100.0	24.92	34.62	2.12	1.68	1.87	9.50	22.60
4200.0	24.86	34.98	1.96	1.65	1.84	9.61	23.15
4300.0	24.84	31.14	1.82	1.61	1.81	9.66	23.15
4400.0	24.83	34.58	1.68	1.57	1.81	9.80	22.57
4500.0	24.80	35.55	1.56	1.52	1.80	9.72	23.78
4600.0	24.78	31.78	1.44	1.46	1.79	9.68	23.55
4700.0	24.75	32.27	1.34	1.39	1.79	10.02	23.62
4800.0	24.68	40.43	1.24	1.33	1.83	9.99	23.45
4900.0	24.57	37.39	1.14	1.27	1.81	9.76	23.61
5000.0	24.43	35.91	1.06	1.25	1.86	9.73	23.48
5100.0	24.35	31.03	1.05	1.30	1.91	9.98	23.61
5200.0	24.35	41.27	1.15	1.37	1.96	10.43	23.73
5300.0	24.30	33.52	1.26	1.42	2.02	10.70	24.21
5400.0	24.20	34.70	1.40	1.48	2.08	10.66	23.93
5500.0	24.04	34.54	1.57	1.54	2.19	10.78	24.05
5600.0	23.85	30.86	1.75	1.59	2.26	10.80	23.97
5700.0	23.59	30.84	1.96	1.62	2.32	10.85	23.90
5800.0	23.31	32.98	2.19	1.65	2.36	10.79	23.86



P.O. Box 350188, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4851 For detailed performance specs & shopping online see Mini-Circuits web site



The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINN-CIRCUITS At: www.minicircuits.com

RF/MICROWAVE COMPONENTS



REV. X1

ZX60-ED13494/4

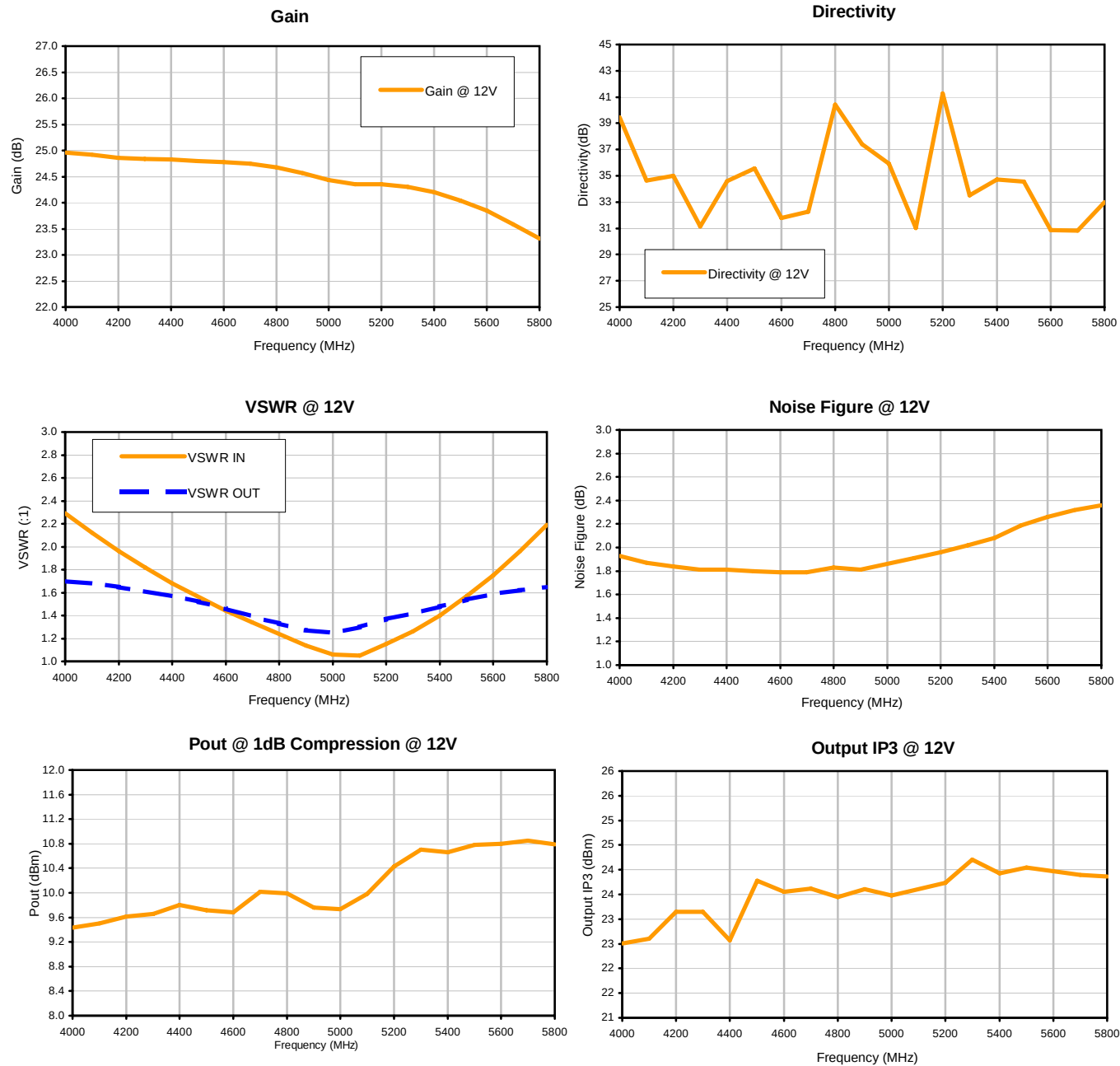
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Typical Performance Curves

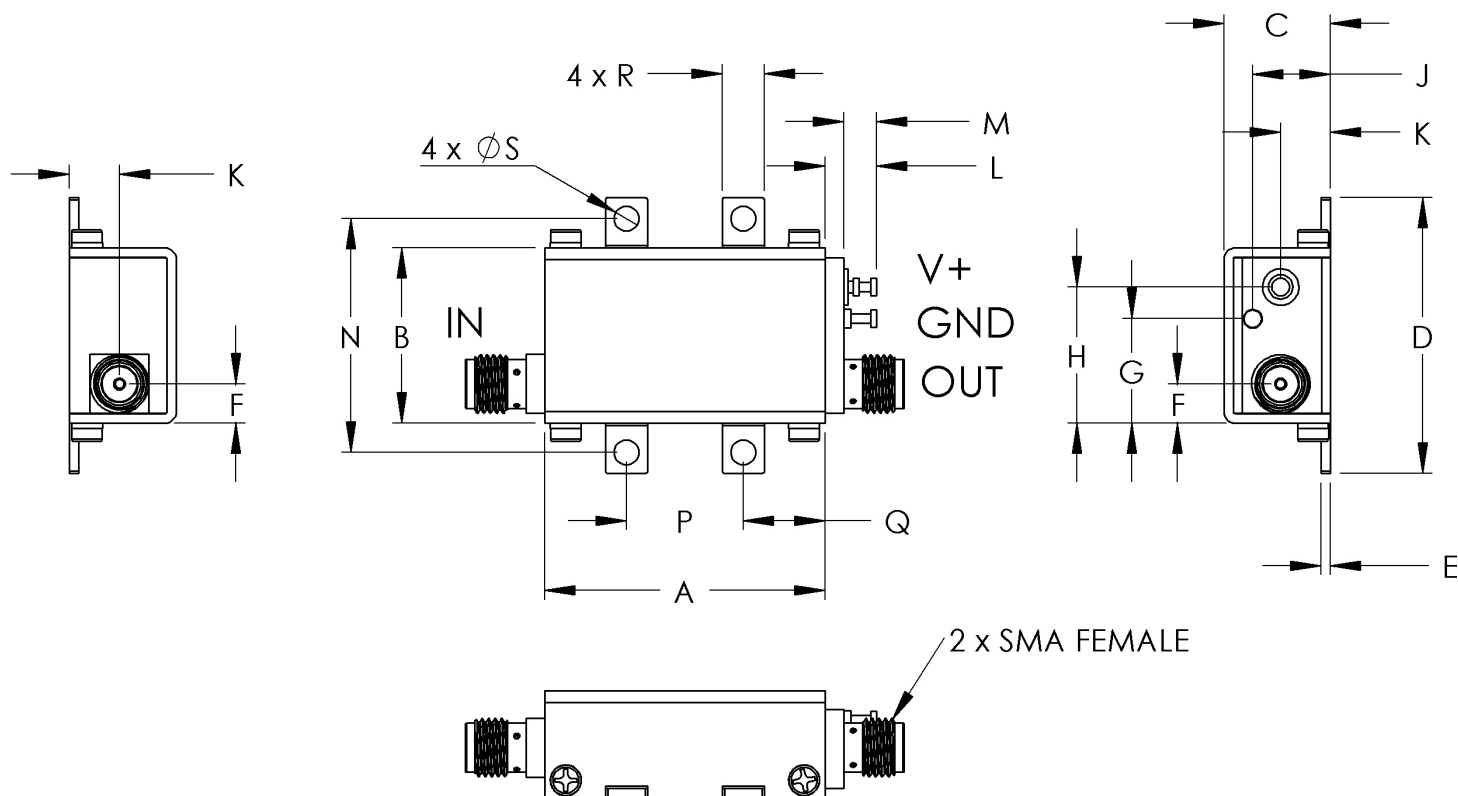


Case Style

GA

Outline Dimensions

GA955



CASE #.	A	B	C	D	E	F	G	H	J	K	L	M	N
GA955	1.20 (30.48)	.75 (19.05)	.46 (11.61)	1.18 (29.97)	.04 (1.02)	.17 (4.27)	.45 (11.35)	.58 (14.81)	.33 (8.46)	.21 (5.44)	.22 (5.59)	.14 (3.56)	1.000 (25.4)

CASE #.	P	Q	R	S	WT GRAMS
GA955	.500 (12.70)	.35 (8.89)	.18 (4.57)	.106 (2.69)	35.0

Dimensions are in inches (mm). Tolerances: 2Pl. $\pm .03$; 3Pl. $\pm .015$
Tolerance on hole size and interaxes dimensions to be $\pm .005$.

Note:

- Case material: Brass
- Case finish: Nickel plate



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All Mini-Circuits products are manufactured under exacting quality assurance and control standards, and are capable of meeting published specifications after being subjected to any or all of the following physical and environmental test.

Specification	Test/Inspection Condition	Reference/Spec
Operating Temperature	-40° to 85° C Case Temperature	Individual Model Data Sheet
Storage Temperature	-55° to 100° C Ambient Environment	Individual Model Data Sheet
Stabilization Bake	(non-operating) 125°C, 24 hours	- - -
Burn-in at Elevated Temp.	(DC on) 160 hours at 85° C	MIL-STD-202, Method 108
Thermal Shock	-55° to 100°C, 5 cycles	MIL-STD-202, Method 107, Condition A, except 100°C