

Wideband Amplifier**ZX60-ED11699C/2****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.



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CASE STYLE : GA955

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C				
Parameter	Min.	Typ.	Max.	Units
Frequency	500		2000	MHz
Gain		18.5		dB
Output Power @ 1dB Compression		19.6		dBm
Noise Figure		4.0		dB
IP3*		35		dBm
VSWR	IN	1.20		(:1)
	OUT	1.40		(:1)
DC Power	Voltage	12		V
	Current		130	mA

*Two tones, spaced 1MHz apart, 8 dBm/tone at output

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

Wideband Amplifier

ZX60-ED11699C/2

Typical Performance Data

FREQ. (MHz)	GAIN (dB) 12V	DIRECTIVITY (dB) 12V	VSWR (:1)		NOISE FIGURE (dB) 12V	POUT @ 1 dB COMPRESSION (dBm) 12V	OUTPUT IP3 (dBm) 12V
			IN 12V	OUT 12V			
500.00	18.14	7.74	2.65	2.07	4.55	18.97	32.73
550.00	18.29	7.38	2.48	1.93	4.53	19.00	33.30
600.00	18.44	7.05	2.31	1.79	4.49	19.15	33.44
650.00	18.56	6.74	2.14	1.66	4.44	19.28	33.65
700.00	18.67	6.45	1.99	1.54	4.34	19.46	34.10
800.00	18.82	6.03	1.72	1.37	4.17	19.54	34.59
900.00	18.88	5.79	1.51	1.29	4.09	19.53	34.91
1000.00	18.88	5.62	1.34	1.29	4.03	19.57	35.05
1100.00	18.84	5.55	1.21	1.31	4.00	19.43	34.94
1200.00	18.77	5.52	1.14	1.31	3.88	19.30	34.75
1300.00	18.67	5.52	1.19	1.28	3.87	19.07	34.61
1500.00	18.38	5.68	1.47	1.14	3.86	18.43	33.67
1700.00	18.05	5.98	1.68	1.15	3.99	18.34	32.48
2000.00	17.31	6.93	1.42	1.92	4.49	16.39	28.56



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RF/MICROWAVE COMPONENTS



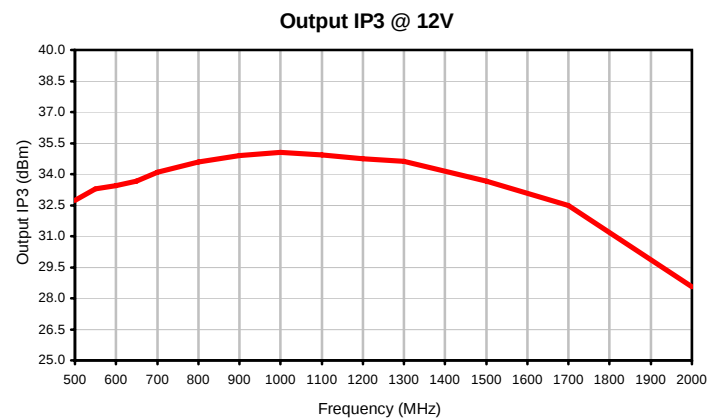
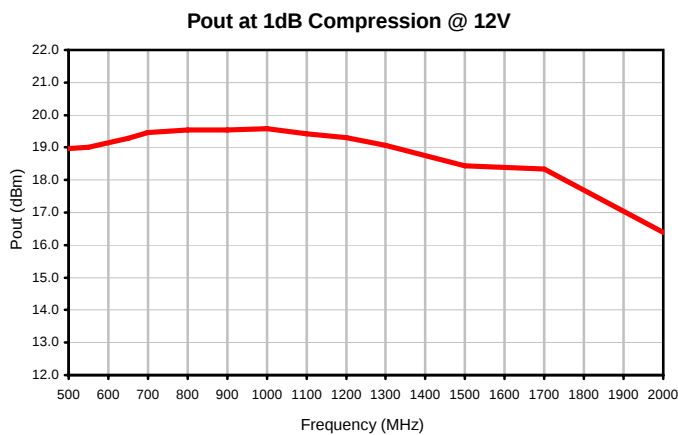
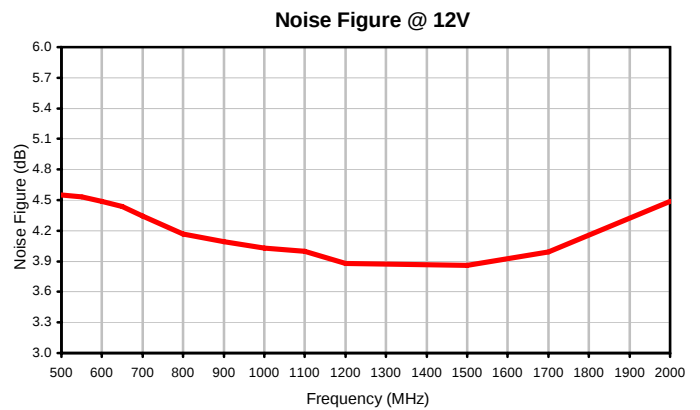
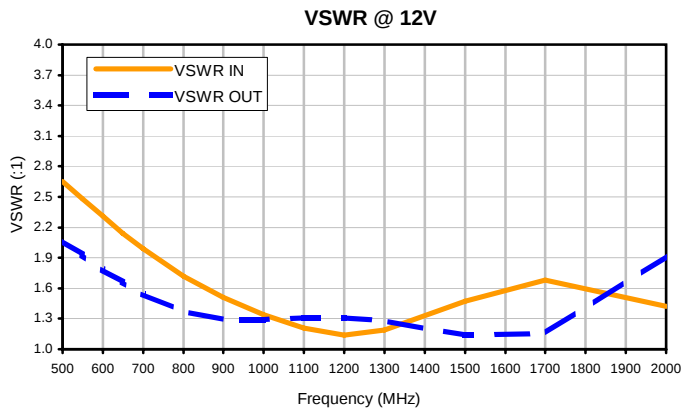
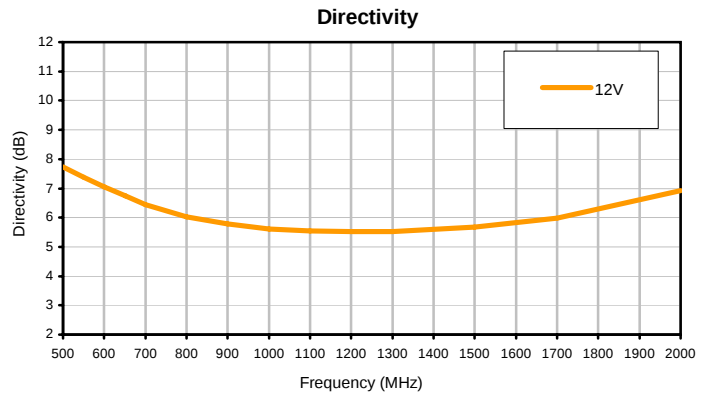
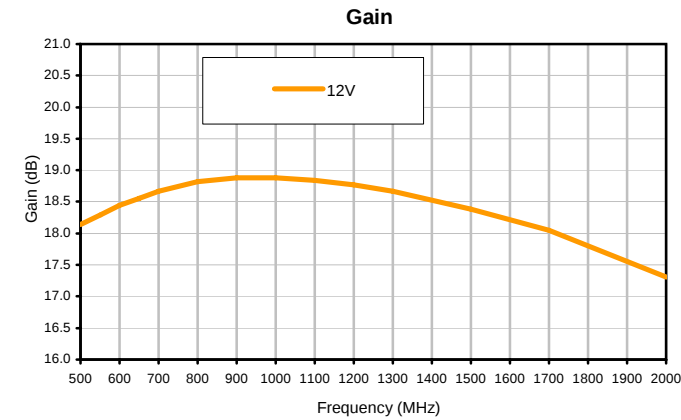
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Typical Performance Curves

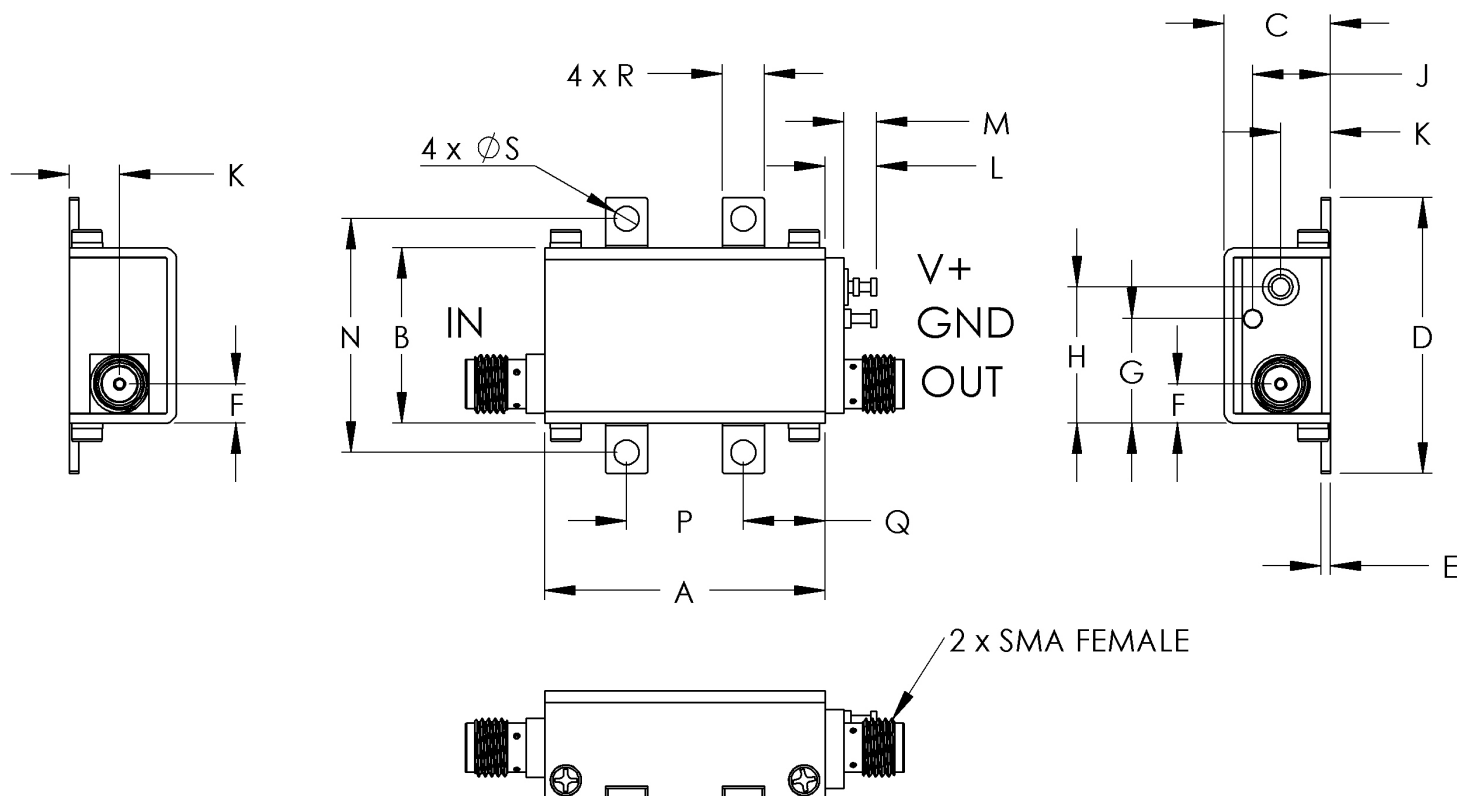


Case Style

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