

Coaxial Amplifier

ZVE-ED13284/1

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 : BN1327

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C				
Parameter	Min.	Typ.	Max.	Units
Frequency	1900		8100	MHz
Gain		34		dB
Output Power @ 1dB Compression		35		dBm
Noise Figure		5.7		dB
IP3		42		dBm
VSWR	IN	2.00		(:1)
	OUT	2.00		(:1)
DC Power	Voltage	12		V
	Current		2000	mA

MAXIMUM RATINGS	
Operating Temperature	-55°C to 65°C
Storage Temperature	-65°C to 150°C
Input Power	20dBm

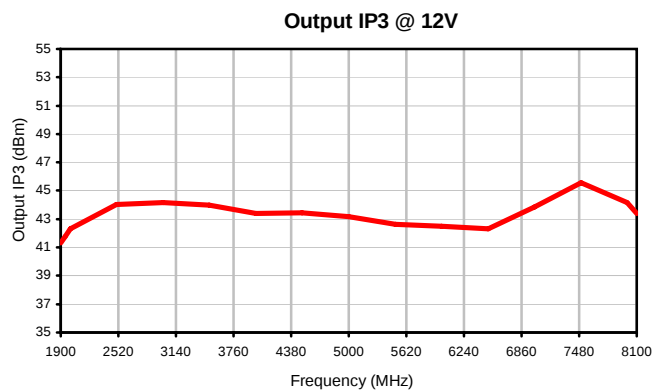
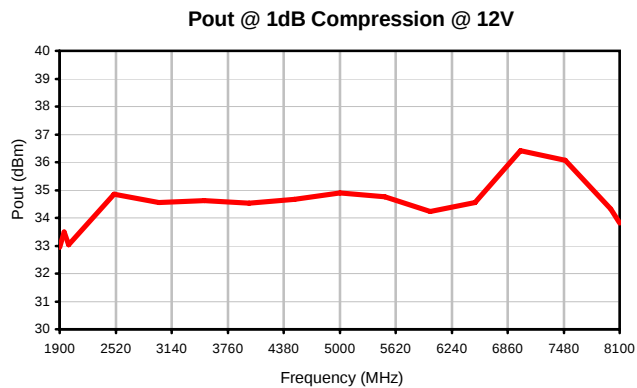
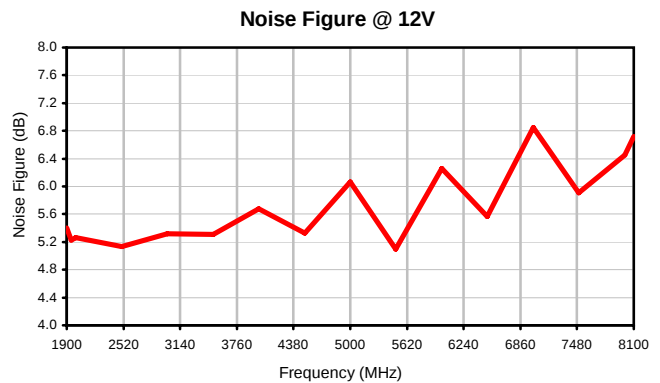
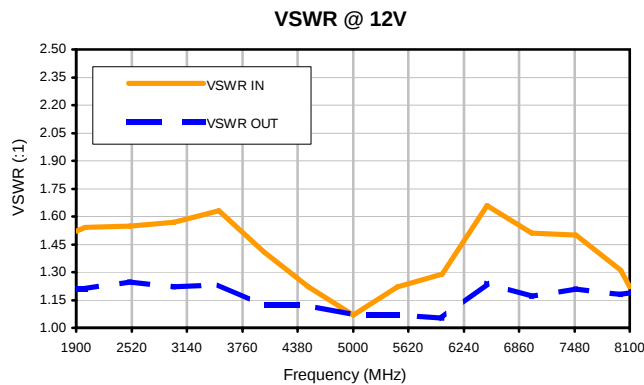
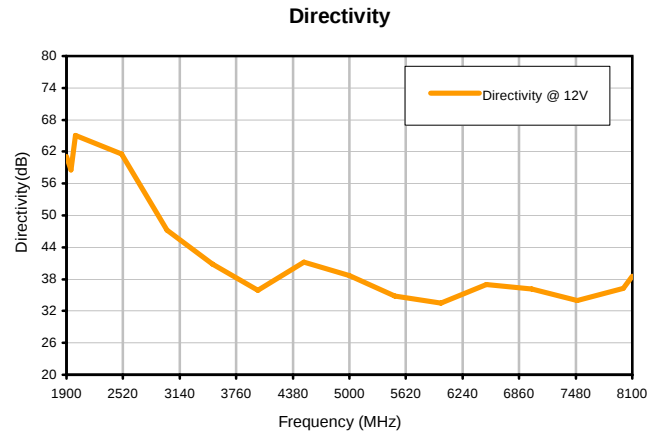
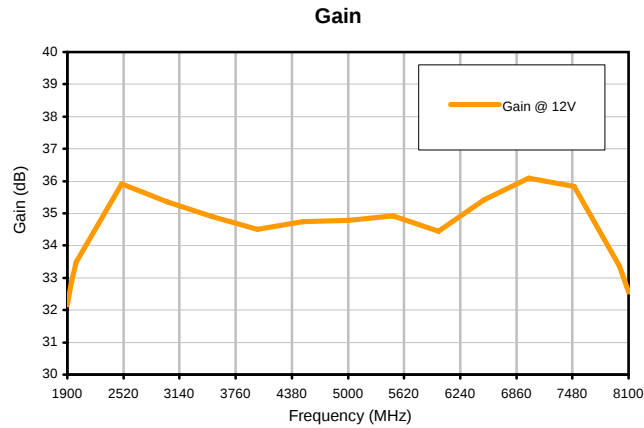
Amplifier

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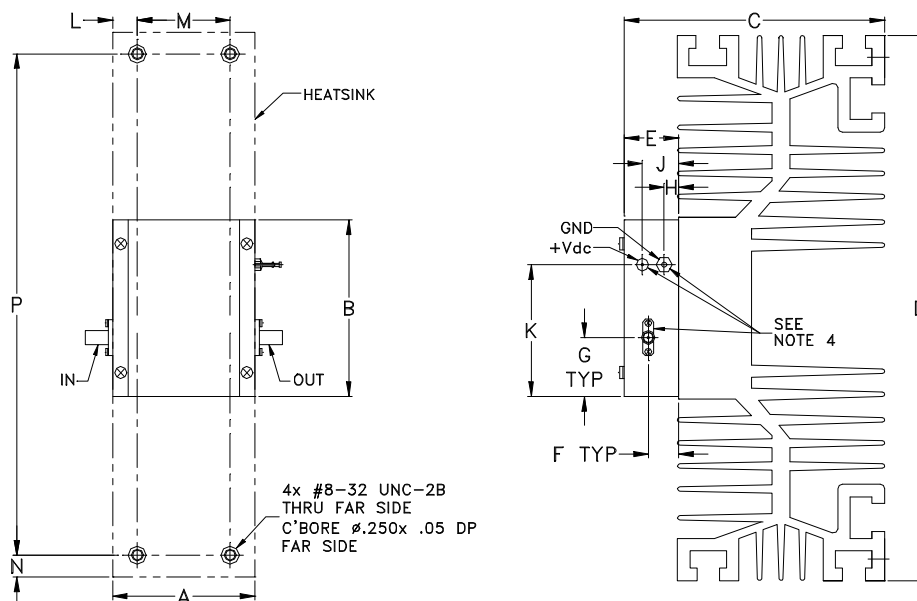
Typical Performance Data

Frequency (MHz)	Gain 12V	Directivity (dB) 12V	VSWR In (:1) 12V	VSWR Out (:1) 12V	Noise Figure (dB) 12V	Pout at 1dB Compression (dBm) 12V	Output IP3 (dBm) 12V
1900.0	32.16	61.06	1.52	1.21	5.40	32.94	41.30
1950.0	32.91	58.53	1.53	1.21	5.23	33.49	41.76
2000.0	33.49	65.06	1.54	1.21	5.26	33.04	42.30
2500.0	35.91	61.61	1.55	1.25	5.13	34.85	44.04
3000.0	35.35	47.19	1.57	1.22	5.32	34.56	44.17
3500.0	34.91	40.87	1.63	1.23	5.31	34.61	44.00
4000.0	34.51	35.94	1.41	1.12	5.68	34.52	43.39
4500.0	34.74	41.25	1.22	1.12	5.33	34.67	43.44
5000.0	34.79	38.64	1.07	1.07	6.06	34.90	43.19
5500.0	34.93	34.80	1.22	1.07	5.10	34.75	42.65
6000.0	34.45	33.55	1.29	1.05	6.26	34.24	42.50
6500.0	35.41	36.95	1.66	1.24	5.57	34.56	42.32
7000.0	36.09	36.19	1.51	1.17	6.85	36.41	43.84
7500.0	35.83	33.95	1.50	1.21	5.91	36.07	45.57
8000.0	33.36	36.22	1.31	1.18	6.45	34.33	44.16
8100.0	32.55	38.61	1.22	1.19	6.72	33.81	43.39

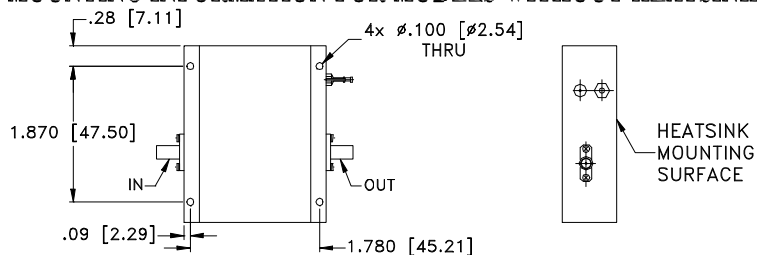
Typical Performance Curves



Outline Dimensions



MOUNTING INFORMATION FOR MODELS WITHOUT HEATSINK



CASE #	A	B	C	D	E	F	G	H	J	K	L
BN1327	1.960 (49.78)	2.430 (61.72)	3.6 (91.44)	7.5 (190.50)	.74 (18.80)	.42 (10.67)	0.81 (20.57)	.20 (5.08)	.49 (12.45)	1.81 (45.97)	.36 (9.02)

CASE #	M	N	P	WT. GRAM	WT. WITHOUT HEATSINK GRAM
BN1327	1.250 (31.75)	.30 (7.62)	6.900 (175.26)	875	120

Dimensions are in inches (mm). Tolerances: 1Pl. $\pm .1$; 2Pl. $\pm .03$; 3 Pl. $\pm .015$

Notes:

1. Case material: Aluminum alloy.
2. Case finish: Nickel plate.
3. Heat sink finish: Black anodize.
4. Shape of mounting flange may vary.



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