

Coaxial Amplifier

ZHL-ED13288

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 : BT1344

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C				
Parameter	Min.	Typ.	Max.	Units
Frequency	700		2500	MHz
Gain		50		dB
Output Power @ 1dB Compression		44		dBm
Noise Figure		5.5		dB
IP3		50		dBm
VSWR	IN	1.30		(:1)
	OUT	1.20		(:1)
DC Power	Voltage	28		V
	Current		6300	mA

MAXIMUM RATINGS	
Operating Temperature	-20°C to 60°C
Storage Temperature	-55°C to 100°C
Input Power	0dBm

Coaxial Amplifier

ZHL-ED13288

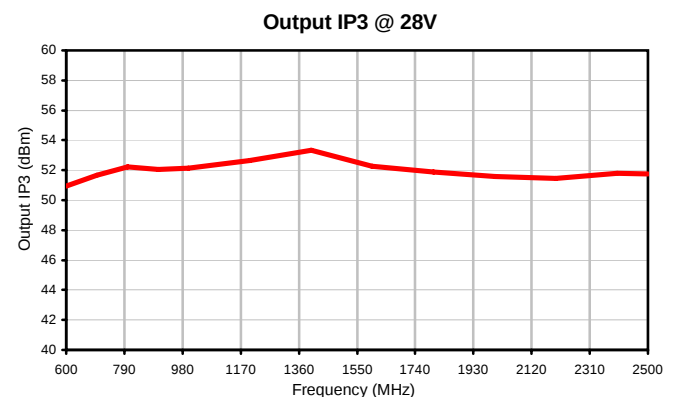
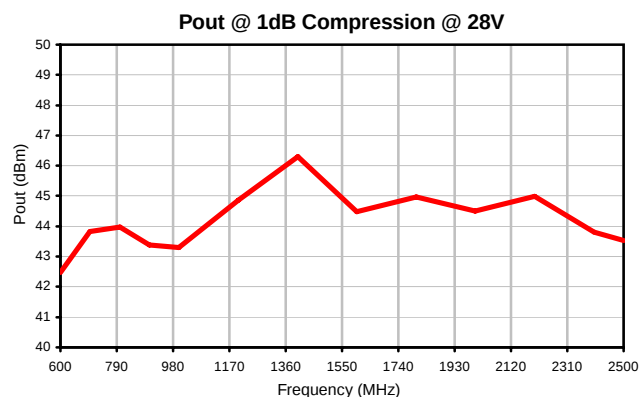
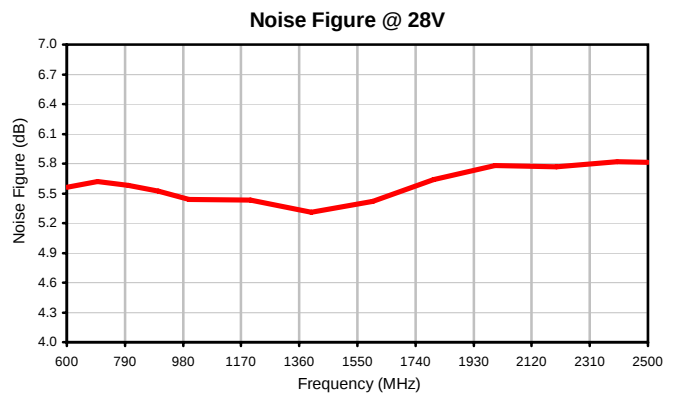
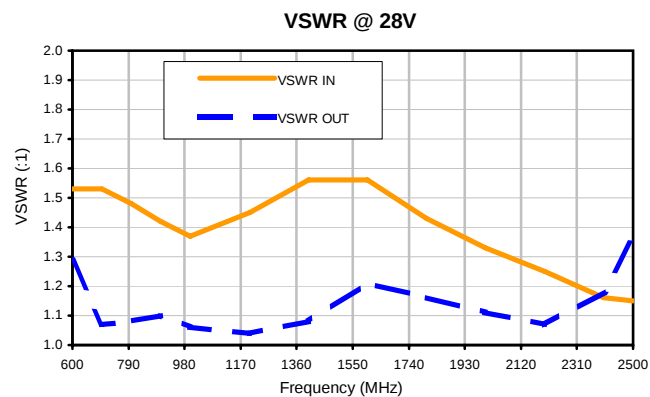
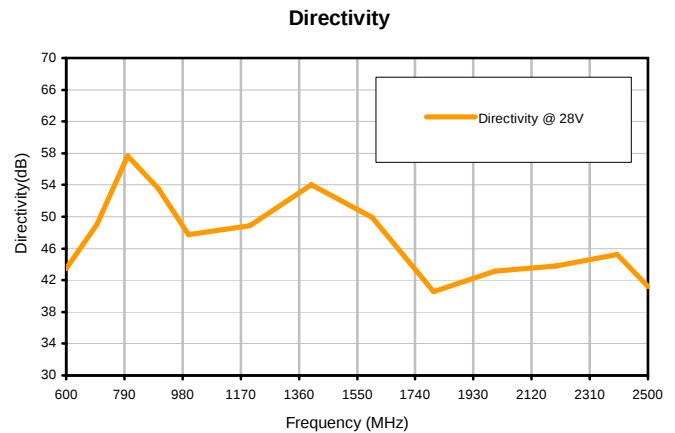
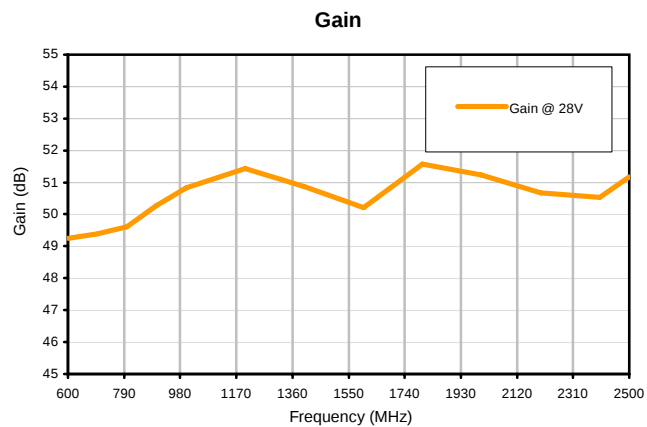
Typical Performance Data

FREQUENCY (MHz)	GAIN (dB) 28V	DIRECTIVITY (dB) 28V	VSWR IN (:1) 28V	VSWR OUT (:1) 28V	NOISE FIGURE (dB) 28V	Pout at 1dB COMP. (dBm) 28V	OUTPUT IP3 (dBm) 28V
600.0	49.25	43.44	1.53	1.29	5.56	42.48	50.94
700.0	49.38	49.04	1.53	1.07	5.62	43.82	51.67
800.0	49.61	57.64	1.48	1.08	5.58	43.97	52.24
900.0	50.28	53.57	1.42	1.10	5.52	43.39	52.05
1000.0	50.84	47.78	1.37	1.06	5.44	43.30	52.15
1200.0	51.43	48.87	1.45	1.04	5.43	44.86	52.65
1400.0	50.87	54.00	1.56	1.08	5.31	46.31	53.33
1600.0	50.21	49.94	1.56	1.21	5.42	44.48	52.25
1800.0	51.57	40.56	1.43	1.16	5.64	44.96	51.89
2000.0	51.24	43.12	1.33	1.11	5.78	44.51	51.56
2200.0	50.67	43.78	1.25	1.07	5.77	44.98	51.45
2400.0	50.53	45.23	1.16	1.18	5.82	43.80	51.78
2500.0	51.17	41.20	1.15	1.36	5.81	43.53	51.76

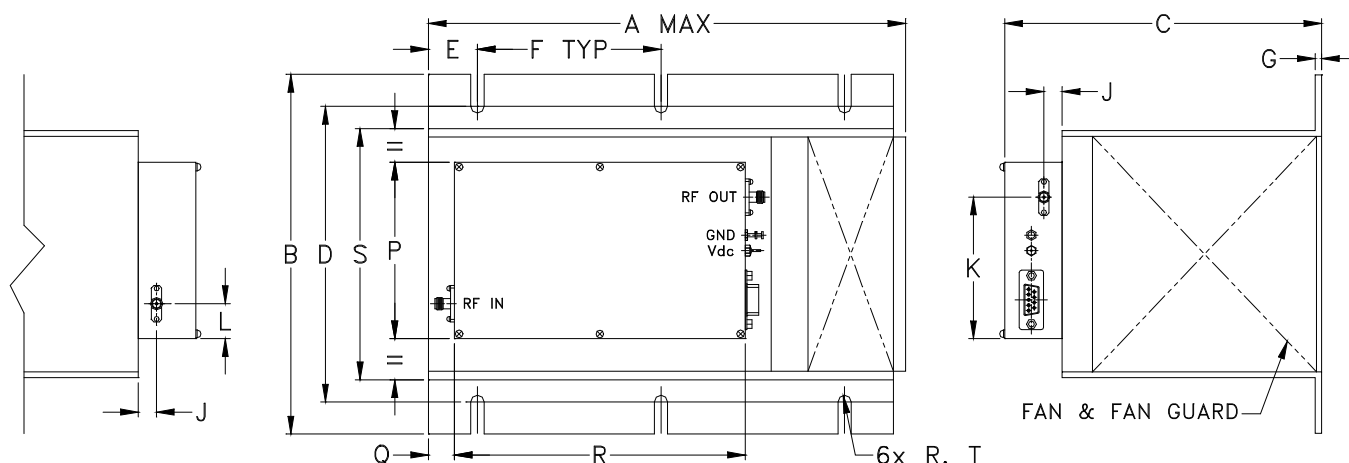
Coaxial Amplifier

ZHL-ED13288

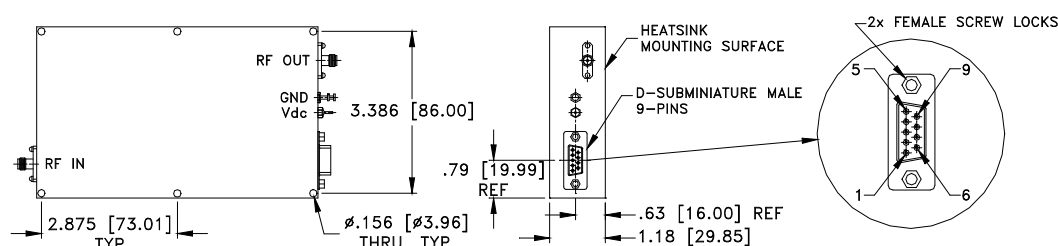
Typical Performance Curves



Outline Dimensions



MOUNTING INFORMATION FOR MODELS WITHOUT HEATSINK.



CASE#	A	B	C	D	E	F	G	H	J	K	L	M	N
BT1344	9.85 (250.19)	7.3 (185.42)	6.5 (165.10)	6.00 (152.40)	1.00 (25.40)	3.75 (95.25)	.13 (3.30)	-	.37 (9.40)	2.87 (72.90)	.71 (18.03)	-	-

CASE#	P	Q	R	S	T	WT, GRAM	WT WITHOUT HEATSINK, GRAM
BT1344	3.58 (90.93)	.5 (12.70)	5.95 (151.13)	5.1 (129.54)	.135 (3.43)	4265	580

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

Notes:

- Case material: Aluminum alloy.
- Finish:
For RoHS Case Styles: Clear Chemical conversion coating, non-chrome or trivalent chrome based.
- Heatsink finish: Black anodize.
- Refer to the individual model data sheet for the type of connectors available.
- Recommended screws for mounting model without heat sink on 3/32" thick sheet: #6-32, 1.50" Length.



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site



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

RF/IF MICROWAVE COMPONENTS



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	-20° to 60°C Ambient Environment	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