

Coaxial Amplifier

ZVA-44703LN(X)+

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)
 Gain(Power Gain) = S21 (dB)
 Reverse Isolation = -S12 (dB)
 Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 10V, Id = 289mA @ Temperature = +25°C

FREQUENCY (GHz)	GAIN (dB)	ACTIVE DIRECTIVITY (dB)	RETURN LOSS (dB)		STABILITY		P _{OUT} @ 1 dB COMPRESSION (dBm)	P _{SAT} (dBm)	OIP3 (dBm)	NOISE FIGURE (dB)
			IN	OUT	K	MEASURE				
40	40.0	38.3	4.8	10.4	25	1.22	-	-	27.3	3.3
41	42.1	57.2	6.7	12.5	270	1.15	-	-	27.0	2.9
42	43.3	46.8	7.9	15.3	89	1.13	-	-	26.4	2.6
43	43.8	42.7	8.0	15.6	56	1.12	-	-	26.1	2.4
44	45.0	34.5	11.5	16.9	24	1.05	17.7	20.1	26.2	2.2
45	46.0	40.2	24.8	15.8	50	0.98	17.5	20.0	26.2	2.1
46	46.3	37.6	17.8	13.3	35	0.97	17.5	20.1	26.7	2.1
47	46.3	43.2	11.5	13.4	64	1.02	17.6	20.4	26.2	2.1
48	46.4	42.2	10.3	18.7	58	1.08	17.9	20.8	26.6	2.2
49	46.7	33.1	13.6	27.0	22	1.04	18.1	20.9	26.7	2.1
50	46.5	41.0	32.7	14.5	54	0.96	17.8	20.8	26.6	2.0
51	46.1	36.7	18.5	12.1	32	0.95	17.7	20.3	26.6	2.0
52	45.8	51.2	17.8	12.9	170	0.96	17.7	20.6	27.2	2.0
53	45.6	39.7	26.0	15.4	47	0.97	18.0	21.2	26.9	1.9
54	45.2	35.6	19.7	14.3	29	0.97	17.8	20.8	27.1	2.2
55	44.9	50.1	18.5	12.2	148	0.95	17.6	20.3	27.1	2.3
56	44.8	44.2	25.3	12.1	76	0.94	17.4	20.4	27.6	3.1
57	44.9	41.6	25.6	13.3	57	0.96	17.5	21.2	27.5	2.8
58	44.8	37.5	23.6	13.2	35	0.96	17.5	21.0	27.1	3.2
59	44.8	39.6	25.8	11.6	44	0.93	17.4	20.7	27.0	3.3
60	44.7	41.7	19.6	10.6	55	0.92	17.7	20.7	28.0	2.3
61	44.5	56.0	15.7	10.7	281	0.94	17.8	21.3	27.9	3.4
62	44.3	37.1	14.6	11.3	32	0.96	18.1	20.7	28.2	3.6
63	44.5	51.0	15.5	12.5	164	0.97	17.9	20.1	28.4	2.8
64	44.8	50.7	18.7	14.7	164	0.98	18.1	20.8	28.0	3.2
65	44.8	47.9	15.0	15.5	117	1.00	18.2	20.8	28.8	3.0
66	44.7	45.5	10.8	13.0	82	1.03	18.0	19.6	29.5	2.8
67	44.7	49.6	10.1	11.7	127	1.02	17.5	19.8	29.0	3.2
68	44.9	51.5	13.2	11.3	165	0.97	17.7	19.5	28.4	3.7
69	44.7	39.3	20.9	12.7	43	0.95	17.8	20.1	29.1	3.5
70	44.0	42.9	18.3	16.7	67	0.99	17.6	19.7	27.3	3.1
71	43.0	44.0	22.8	18.6	78	0.99	-	-	-	3.4
72	42.0	42.9	20.4	13.5	66	0.96	-	-	-	3.4

