

Coaxial Amplifier

ZX60-83MPR-S+

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 = 9V, Id = 144mA @ Temperature = +25°C

FREQUENCY	GAIN	DIRECTIVITY	RETURN LOSS (dB)		STABILITY		Pout @ 1 dB COMPRESSION	NOISE FIGURE	OIP3
(MHz)	(dB)	(dB)	IN	OUT	K	Measure	(dBm)	(dB)	(dBm)
400	21.7	7.3	13.5	9.8	1.26	0.70	27.8	2.9	42.0
600	21.7	7.2	14.7	10.8	1.27	0.72	27.9	3.2	41.1
800	21.6	7.2	14.9	11.3	1.27	0.74	28.0	3.5	41.2
1000	21.5	7.2	14.9	12.0	1.28	0.76	28.3	3.4	41.3
1200	21.4	7.3	14.8	12.5	1.28	0.78	27.8	3.3	39.0
1400	21.3	7.4	14.6	13.1	1.29	0.80	27.9	3.2	38.5
1600	21.0	7.7	14.3	13.4	1.31	0.83	27.9	3.2	37.7
1800	21.0	7.6	14.1	14.4	1.31	0.84	28.0	3.3	37.1
2000	20.8	7.7	13.8	15.1	1.32	0.86	28.2	3.2	36.8
2200	20.7	7.9	13.7	15.8	1.33	0.87	27.3	3.1	34.5
2400	20.5	8.0	13.6	16.5	1.35	0.88	27.9	3.0	36.0
2600	20.3	8.2	13.5	17.3	1.37	0.90	27.9	3.1	35.9
2800	20.1	8.5	13.3	18.0	1.41	0.91	27.9	3.2	36.8
3000	20.0	8.6	12.9	18.2	1.42	0.92	27.5	3.1	36.1
3200	19.9	8.5	12.2	17.6	1.39	0.92	27.3	3.0	36.4
3400	19.8	8.5	11.7	16.9	1.38	0.92	27.4	2.8	35.9
3600	19.8	8.5	11.2	16.0	1.37	0.92	28.0	2.8	36.9
3800	19.7	8.5	10.9	15.5	1.36	0.92	27.0	2.8	37.2
4000	19.6	8.5	10.6	14.8	1.35	0.92	27.6	2.8	38.2
4200	19.5	8.6	10.3	14.4	1.36	0.91	27.0	2.7	38.5
4400	19.4	8.6	10.1	14.0	1.35	0.91	27.6	2.6	37.6
4600	19.3	8.6	10.0	13.7	1.35	0.91	27.4	2.6	37.5
4800	19.3	8.6	9.8	13.5	1.35	0.90	27.0	2.6	37.1
5000	19.2	8.5	9.8	13.7	1.35	0.90	26.3	2.6	37.4
5200	19.2	8.4	9.8	13.7	1.34	0.90	26.8	2.5	36.0
5400	19.2	8.3	9.9	14.0	1.34	0.90	26.5	2.5	35.3
5600	19.2	8.1	9.9	14.4	1.32	0.89	26.8	2.5	35.6
5800	19.2	7.9	10.0	15.1	1.31	0.89	26.7	2.6	34.8
6000	19.2	7.7	10.1	16.3	1.29	0.89	26.9	2.5	34.7
6200	19.2	7.6	10.2	17.9	1.28	0.90	26.8	2.5	34.9
6400	19.2	7.4	10.0	20.1	1.27	0.90	26.8	2.5	35.0
6600	19.2	7.4	9.7	23.6	1.26	0.91	27.0	2.5	34.8
6800	19.1	7.4	9.2	29.3	1.25	0.93	26.9	2.6	35.2
7000	18.9	7.5	8.6	30.0	1.24	0.95	26.9	2.6	35.2
7200	18.7	7.8	7.8	22.7	1.24	0.98	26.9	2.7	35.3
7400	18.4	8.1	7.0	18.9	1.23	1.00	26.4	2.8	35.5
7600	18.1	8.6	6.2	16.6	1.24	1.04	26.6	2.8	35.9
7800	17.7	9.2	5.6	14.7	1.24	1.07	25.7	3.0	35.9
8000	17.3	9.8	5.0	13.6	1.24	1.11	26.0	3.1	36.0