

Coaxial Amplifier

ZX60-43LPN+

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 = 6V, Id = 120mA @ Temperature = +25°C

FREQUENCY (MHz)	GAIN (dB)	DIRECTIVITY (dB)	RETURN LOSS (dB)		STABILITY		Pout @ 1 dB COMPRESSION (dBm)	NOISE FIGURE (dB)	OIP3 (dBm)
			IN	OUT	K	Measure			
10	24.0	5.5	26.3	26.1	1.21	0.72	18.2	11.0	39.3
50	23.7	8.1	33.4	30.4	1.46	0.84	21.4	5.8	37.2
100	23.6	8.6	30.2	23.6	1.52	0.86	20.8	5.4	37.1
300	23.9	7.7	22.7	27.5	1.41	0.84	21.0	5.4	36.9
500	23.9	6.8	19.9	14.8	1.26	0.78	21.8	5.4	36.5
700	23.4	7.5	19.4	11.4	1.28	0.78	21.3	5.4	35.7
900	22.8	7.3	18.8	9.6	1.20	0.74	21.4	5.4	35.0
1000	22.5	7.4	18.6	9.0	1.19	0.73	21.2	5.5	35.2
1200	22.0	7.6	18.2	8.1	1.17	0.71	21.3	5.6	35.0
1400	21.4	8.0	18.0	7.5	1.18	0.71	21.4	5.6	34.9
1600	20.8	7.7	18.0	7.1	1.13	0.68	21.1	5.6	34.6
1800	20.3	8.0	17.9	7.0	1.14	0.69	21.3	5.5	34.9
2000	19.8	7.9	17.7	6.9	1.12	0.69	21.5	5.9	34.2
2200	19.4	7.6	17.6	6.9	1.10	0.68	21.2	6.0	35.0
2400	19.0	7.9	17.4	7.0	1.13	0.70	21.5	5.6	34.3
2600	18.6	7.7	17.1	7.2	1.11	0.70	21.6	5.8	34.5
2800	18.3	7.3	16.8	7.5	1.10	0.70	21.6	5.7	34.3
3000	18.0	7.4	16.4	7.8	1.11	0.72	21.3	5.8	34.1
3200	17.7	7.1	16.0	8.1	1.10	0.72	21.2	5.7	33.7
3400	17.4	7.1	15.8	8.4	1.11	0.73	20.9	5.7	33.4
3600	17.2	7.0	15.6	8.7	1.11	0.74	20.6	5.8	32.9
3800	16.8	7.0	15.5	8.9	1.12	0.74	20.3	5.9	32.8
4000	16.5	7.1	15.5	9.0	1.14	0.74	20.0	5.8	32.5