

Coaxial Amplifier

ZX60-10203LN+

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 = 58mA @ Temperature = +25°C

FREQUENCY (GHz)	GAIN (dB)	DIRECTIVITY (dB)	RETURN LOSS (dB)		STABILITY		Pout @ 1 dB COMPRESSION (dBm)	NOISE FIGURE (dB)	OIP3 (dBm)
			IN	OUT	K	Measure			
10.0	19.2	30.5	19.0	4.2	10.3	0.63	12.6	2.2	22.8
11.0	20.1	33.6	19.2	7.2	19.1	0.82	15.0	1.9	23.8
12.0	20.7	39.5	24.6	18.6	46.5	0.99	16.5	1.8	24.2
12.5	20.7	42.3	15.6	23.2	63.3	1.02	16.9	1.7	24.5
12.6	20.7	46.3	14.5	20.5	98.7	1.03	16.9	1.7	24.5
12.8	20.6	49.9	12.7	16.8	145.3	1.03	16.9	1.7	24.7
13.0	20.6	52.7	11.4	14.5	193.2	1.04	16.9	1.7	24.9
13.2	20.5	48.1	10.2	12.9	108.9	1.04	17.0	1.7	25.0
13.4	20.5	43.0	9.3	11.9	57.8	1.05	17.0	1.6	25.1
13.6	20.5	38.3	8.4	11.2	32.5	1.06	17.1	1.6	25.2
13.8	20.5	36.3	7.6	10.6	24.7	1.07	17.2	1.6	25.3
14.0	20.6	32.3	7.0	10.3	15.0	1.09	17.3	1.6	25.4
14.2	20.6	31.1	6.6	10.3	12.7	1.11	17.3	1.7	25.5
14.4	20.7	30.4	6.2	10.5	11.5	1.13	17.3	1.6	25.6
14.6	20.8	28.9	5.9	11.0	9.5	1.16	17.3	1.7	25.8
14.8	21.0	28.5	5.6	11.6	9.1	1.18	17.2	1.7	25.8
15.0	21.1	27.9	5.5	12.5	8.4	1.21	17.1	1.7	25.8
15.2	21.2	26.8	5.3	13.5	7.5	1.23	17.2	1.8	25.9
15.4	21.4	26.5	5.3	14.6	7.2	1.25	17.1	1.7	25.8
15.6	21.5	25.4	5.2	15.8	6.4	1.26	17.0	1.8	25.7
15.8	21.6	24.6	5.3	16.7	5.9	1.26	17.0	1.8	25.6
16.0	21.7	24.0	5.4	17.0	5.6	1.26	17.0	1.8	25.5
16.2	21.8	23.5	5.7	16.6	5.4	1.24	17.1	1.8	25.3
16.4	21.8	22.8	5.9	16.0	5.0	1.22	17.1	1.8	25.2
16.6	21.8	22.7	6.3	15.3	5.1	1.19	17.2	1.8	25.0
16.8	21.7	22.4	6.8	14.7	5.1	1.16	17.2	1.8	24.9
17.0	21.6	22.6	7.2	14.5	5.4	1.14	17.3	1.8	24.7
17.2	21.5	22.4	7.8	14.5	5.4	1.11	17.3	1.8	24.6
17.4	21.2	22.2	8.4	14.9	5.4	1.10	17.3	1.9	24.5
17.6	21.0	22.3	9.0	15.0	5.6	1.08	17.5	1.9	24.4
17.8	20.7	21.9	9.4	14.5	5.4	1.06	17.5	1.9	24.3
18.0	20.4	22.1	9.9	13.8	5.6	1.04	17.5	2.0	24.3
18.2	20.1	22.9	10.1	12.7	6.1	1.02	17.6	2.0	24.2
18.4	19.7	23.3	10.1	11.7	6.2	1.01	17.4	2.0	24.1
18.6	19.4	23.4	9.9	10.7	6.2	0.99	17.4	2.1	24.1
18.8	19.1	24.2	9.6	10.0	6.6	0.98	17.2	2.1	23.9
19.0	18.8	24.4	9.3	9.4	6.6	0.98	16.9	2.2	23.6
19.2	18.6	24.9	8.9	9.2	6.9	0.98	16.6	2.3	23.4
19.4	18.5	24.7	8.6	9.3	6.7	0.99	16.4	2.4	23.1
19.6	18.3	25.3	8.3	9.8	7.1	1.02	16.2	2.5	22.9
19.8	18.3	25.0	8.0	10.9	6.9	1.06	15.8	2.5	22.6
20.0	18.2	25.1	7.6	12.9	7.1	1.11	15.6	2.7	22.3
21.0	15.8	28.1	5.5	7.4	7.8	1.03	14.1	3.4	22.2
22.0	9.2	38.5	4.5	2.1	10.8	0.51	13.2	4.3	25.6