

# Coaxial Amplifier

# ZX60-10223G+

## 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 = 5V, Id = 77mA @ Temperature = +25°C

FREQUENCY	GAIN	DIRECTIVITY	RETURN LOSS (dB)		STABILITY		Pout @ 1 dB COMPRESSION	NOISE FIGURE	OIP3
			IN	OUT	K	Measure			
(GHz)	(dB)	(dB)					(dBm)	(dB)	(dBm)
9.0	22.0	39.0	8.6	8.1	32.5	1.0	8.3	2.5	18.1
9.5	23.7	35.6	9.7	9.6	24.1	1.0	9.1	2.2	19.1
10.0	25.2	34.4	10.6	11.7	22.4	1.0	9.4	2.1	19.7
10.5	26.3	35.1	11.1	13.6	25.1	1.0	9.4	2.1	19.5
11.0	27.1	37.1	11.3	15.6	32.4	1.0	9.5	2.1	19.5
11.5	27.6	36.5	11.0	17.8	30.4	1.1	10.0	2.0	20.1
12.0	28.2	35.9	9.9	17.4	27.5	1.1	10.2	2.0	20.1
12.5	28.4	33.6	9.2	14.3	20.3	1.1	10.3	2.0	20.3
13.0	28.2	31.2	9.1	11.0	14.7	1.0	10.2	2.0	20.7
13.5	28.0	29.4	9.2	9.5	11.5	1.0	10.6	2.0	21.2
14.0	27.7	28.2	9.2	9.0	9.9	1.0	10.7	2.0	21.6
14.5	27.5	28.2	9.0	9.8	10.1	1.0	11.1	2.1	22.1
15.0	27.4	27.5	8.9	11.7	9.8	1.0	11.0	2.2	22.1
15.5	27.3	26.8	9.0	13.5	9.2	1.1	10.9	2.3	22.1
16.0	27.1	26.5	9.2	14.3	9.0	1.1	10.5	2.4	21.9
16.5	26.7	26.4	9.5	12.5	8.9	1.0	10.4	2.4	21.9
17.0	26.3	26.7	10.0	11.5	9.1	1.0	10.3	2.4	21.7
17.5	25.8	26.4	10.5	10.5	8.8	1.0	10.5	2.5	22.0
18.0	25.3	26.3	10.9	9.8	8.6	1.0	10.4	2.5	21.8
18.5	25.2	26.7	10.9	8.2	8.4	0.9	10.4	2.5	21.7
19.0	25.4	28.2	11.0	7.3	9.5	0.9	10.2	2.5	21.2
19.5	25.3	29.8	11.0	6.8	11.1	0.9	10.3	2.5	21.3
20.0	24.7	31.2	9.2	6.7	12.6	0.9	10.6	2.4	21.5
20.5	23.7	31.3	6.8	6.2	11.2	0.9	11.0	2.4	22.0
21.0	22.6	31.1	5.3	6.2	9.9	1.0	11.2	2.4	22.1