

Coaxial Amplifier

ZX60-06183LPN+

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 = 8V, Id = 146mA @ Temperature = +25°C

FREQUENCY	GAIN	DIRECTIVITY	RETURN LOSS (dB)		STABILITY		Pout @ 1 dB COMPRESSION	Pout @ SATURATION	NOISE FIGURE	OIP3
(GHz)	(dB)	(dB)	IN	OUT	K	Measure	(dBm)	(dBm)	(dB)	(dBm)
5.0	18.4	35.5	10.0	13.6	25.65	1.05	20.3	25.9	5.7	29.6
5.5	18.5	36.5	11.6	14.9	29.97	1.03	20.2	25.5	5.1	29.5
6.0	18.5	37.3	13.1	15.6	34.04	1.02	20.2	25.4	4.7	29.7
6.5	18.5	38.8	14.6	14.7	40.60	1.00	20.2	25.1	4.5	29.7
7.0	18.4	45.8	15.7	12.8	89.64	0.97	20.2	24.7	4.5	30.8
7.5	18.5	34.4	15.4	10.8	23.31	0.94	20.2	24.4	4.7	30.1
8.0	18.9	25.6	15.5	12.2	8.78	0.96	20.2	24.6	4.7	30.4
8.5	19.0	24.4	15.3	13.7	7.76	0.98	20.1	24.5	4.6	29.5
9.0	19.0	23.3	13.7	14.4	6.76	1.00	20.2	24.7	4.7	29.7
9.5	19.0	21.0	11.7	14.2	5.02	1.03	20.2	24.2	4.7	30.7
10.0	19.0	19.8	10.1	14.2	4.23	1.06	20.0	24.1	4.7	28.8
10.5	18.8	21.9	10.0	15.0	5.40	1.07	19.9	23.9	4.6	29.9
11.0	18.8	22.6	10.7	14.5	5.95	1.05	19.9	23.8	4.5	29.1
11.5	18.9	22.1	12.5	13.1	5.78	1.00	19.5	23.1	4.5	29.0
12.0	19.0	21.6	14.6	11.4	5.47	0.95	19.3	22.6	4.6	27.8
12.5	18.9	21.0	16.0	11.2	5.12	0.93	19.0	22.2	4.6	27.7
13.0	18.9	20.0	16.3	12.1	4.60	0.95	18.7	21.9	4.7	28.0
13.5	18.8	19.4	16.6	13.0	4.34	0.97	18.2	21.7	4.7	26.8
14.0	18.6	18.7	18.8	12.6	4.06	0.94	17.9	21.7	4.8	27.3
14.5	18.4	18.3	24.3	11.5	3.89	0.92	17.2	21.4	5.0	27.0
15.0	17.9	18.5	14.5	10.1	3.73	0.92	16.5	20.5	5.3	25.8
15.5	17.1	19.5	9.5	8.4	3.73	0.92	16.3	20.3	5.7	25.9
16.0	16.6	20.1	7.7	7.6	3.70	0.92	16.2	19.5	6.1	25.8
16.5	16.3	20.3	7.7	8.6	3.89	0.97	16.2	19.8	6.4	25.8
17.0	16.2	19.9	9.0	10.8	4.04	1.02	15.9	20.5	6.6	25.5
17.5	16.0	19.8	11.0	13.0	4.27	1.03	15.3	19.7	6.8	24.2
18.0	15.6	20.5	11.9	12.8	4.76	1.00	14.6	19.6	6.9	23.6
18.5	15.1	21.4	11.5	11.6	5.19	0.98	14.2	19.6	7.1	22.9
19.0	14.4	22.7	11.2	11.7	5.99	0.99	13.5	18.9	7.2	22.2
19.5	13.6	23.8	11.0	10.6	6.61	0.97	12.5	18.3	7.5	21.3
20.0	12.5	25.6	11.2	8.8	7.69	0.93	11.6	16.8	7.8	20.5