ERA-6 Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

TYPE: MMIC Amplifier
MODEL: ERA-6 Reference Data: RDF-1128C
S PARAMETERS are presented in dB/deg Format
TEST CONDITIONS: INPUT POWER = -15dBm, Icc = 70mA, Vd = 4.84V @Temperature = +25degC

Definitions:
Input Return Loss=-S11(dB)
Gain(Power Gain)=S21(dB)
Reverse Isolation=-S12(dB)
Output Return Loss=-S22(dB)

FREQ	S11		S21		S12		S22		Stability		IP-3 Output	1 dB Compression Output	Noise Figure
(MHz)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K	Delta	(dBm)	(dBm)	(dB)
50	-25.03	-0.50	12.82	174.47	-18.69	-4.13	-40.23	145.70	1.23	0.51	36.57	17.30	4.44
100	-25.30	-5.17	12.79	169.67	-18.64	-7.46	-38.49	137.59	1.23	0.51	36.42	17.26	4.46
200	-25.52	-12.79	12.75	159.91	-18.67	-14.66	-36.49	119.36	1.24	0.51	36.66	17.36	4.55
300	-25.56	-21.58	12.72	150.02	-18.68	-21.87	-34.88	104.87	1.24	0.50	36.50	17.42	4.55
400	-25.77	-29.47	12.67	140.25	-18.68	-28.98	-32.90	90.59	1.24	0.50	35.97	17.57	4.52
500	-25.99	-36.32	12.63	130.46	-18.68	-36.22	-31.20	80.07	1.25	0.50	35.78	17.60	4.57
600	-26.35	-43.00	12.59	120.72	-18.67	-43.50	-29.76	70.35	1.25	0.50	35.64	17.67	4.58
700	-26.76	-49.05	12.54	111.02	-18.68	-50.76	-28.56	61.20	1.26	0.49	35.47	17.77	4.57
800	-27.20	-56.37	12.50	101.32	-18.69	-58.02	-27.38	52.06	1.26	0.49	35.67	17.77	4.60
900	-27.66	-62.28	12.45	91.63	-18.70	-65.28	-26.42	42.64	1.27	0.49	35.68	17.89	4.56
1000	-28.06	-68.75	12.40	81.99	-18.72	-72.49	-25.51	33.74	1.27	0.48	35.47	17.79	4.54
1100	-28.71	-75.82	12.35	72.38	-18.73	-79.79	-24.76	25.71	1.28	0.48	35.27	17.76	4.60
1200	-29.18	-81.61	12.30	62.75	-18.75	-86.98	-24.17	16.95	1.28	0.47	35.29	17.68	4.60
1300	-29.94	-87.32	12.25	53.17	-18.77	-94.30	-23.61	8.65	1.29	0.47	35.28	17.59	4.61
1400	-30.53	-95.43	12.20	43.63	-18.79	-101.59	-23.26	0.11	1.29	0.47	34.91	17.69	4.58
1500	-31.30	-102.12	12.15	34.08	-18.80	-108.91	-22.86	-8.07	1.30	0.46	35.03	17.65	4.62
1600	-31.81	-108.37	12.09	24.50	-18.84	-116.08	-22.52	-16.65	1.31	0.46	35.30	17.66	4.68
1700	-32.59	-116.49	12.04	15.00	-18.87	-123.32	-22.30	-25.38	1.32	0.45	35.99	17.70	4.61
1800	-33.31	-125.15	11.98	5.50	-18.89	-130.60	-22.16	-34.03	1.32	0.45	35.71	17.59	4.66
1900	-33.87	-135.96	11.92	-3.99	-18.92	-137.79	-22.04	-43.24	1.33	0.45	35.19	17.58	4.61
2000	-34.73	-148.15	11.88	-13.44	-18.93	-145.14	-22.01	-52.10	1.34	0.44	35.06	17.66	4.59
2100	-35.16	-156.53	11.81	-23.00	-19.00	-152.41	-21.84	-61.73	1.35	0.44	34.50	17.58	4.57
2200	-35.35	-169.21	11.75	-32.47	-19.04	-159.64	-21.85	-71.46	1.36	0.43	34.63	17.51	4.57
2300	-35.20	173.14	11.69	-41.89	-19.06	-166.89	-21.94	-81.48	1.37	0.43	34.19	17.39	4.63
2400	-34.93	159.49	11.62	-51.33	-19.09	-174.18	-21.96	-91.15	1.38	0.42	33.80	17.26	4.66
2500	-34.75	142.40	11.56	-60.77	-19.14	178.66	-22.03	-101.16	1.40	0.42	33.67	17.21	4.64
2600	-35.04	133.79	11.49	-70.23	-19.21	171.34	-21.90	-111.20	1.41	0.41	32.92	17.08	4.59
2700	-33.58	114.38	11.43	-79.54	-19.21	164.15	-22.13	-121.62	1.42	0.41	32.99	16.96	4.68
2800	-33.70	101.32	11.36	-88.95	-19.28	156.85	-22.13	-131.32	1.44	0.40	32.64	16.83	4.66
2900	-32.53	87.92	11.30	-98.28	-19.32	149.67	-22.20	-142.04	1.45	0.40	32.85	16.70	4.62
3000	-31.98	74.59	11.24	-107.71	-19.36	142.33	-22.27	-151.49	1.46	0.39	32.50	16.60	4.64
3100	-32.27	66.65	11.14	-117.05	-19.46	135.03	-22.01	-161.77	1.49	0.38	31.88	16.39	4.70
3200	-30.93	54.41	11.09	-126.26	-19.48	128.03	-22.25	-172.76	1.50	0.38	31.87	16.33	4.74
3300	-30.06	42.41	11.03	-135.57	-19.52	120.88	-22.39	176.78	1.51	0.38	31.77	16.28	4.71
3400	-29.88	31.35	10.95	-144.95	-19.58	113.52	-22.30	167.56	1.53	0.37	31.23	16.19	4.76
3500	-30.35	24.78	10.85	-154.23	-19.71	106.15	-21.88	158.01	1.56	0.36	31.15	16.11	4.81
3600	-29.03	13.35	10.82	-163.39	-19.72	99.37	-22.25	146.42	1.56	0.36	30.57	15.95	4.73
3700	-28.99	-1.04	10.74	-172.79	-19.77	91.91	-22.23	138.38	1.58	0.36	30.19	15.80	4.71
3800	-28.41	-8.60	10.69	178.09	-19.83	85.07	-22.28	127.03	1.60	0.35	29.88	15.70	4.73
4000	-29.07	-36.25	10.52	159.29	-19.93	70.12	-22.15	111.81	1.64	0.34	29.21	15.49	4.86

TYPE: MMIC Amplifier
MODEL: ERA-6 Reference Data: RDF-1128C
S PARAMETERS are presented in dB/deg Format
TEST CONDITIONS: INPUT POWER = -15dBm, Icc = 56mA, Vd = 4.68V @Temperature = +25degC

Definitions:
Input Return Loss=-S11(dB)
Gain(Power Gain)=S21(dB)
Reverse Isolation=-S12(dB)
Output Return Loss=-S22(dB)

FREQ	S11		S21		S12		S22		Stability		IP-3 Output	1 dB Compression Output	Noise Figure
(MHz)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K	Delta	(dBm)	(dBm)	(dB)
50	-23.92	-1.04	12.70	174.46	-18.55	-4.43	-45.50	83.27	1.23	0.51	33.37	16.00	4.30
100	-24.24	-5.89	12.68	169.64	-18.57	-7.57	-44.22	85.57	1.24	0.51	33.23	16.15	4.38
200	-24.36	-13.90	12.63	159.88	-18.58	-14.81	-40.11	80.14	1.24	0.50	33.42	16.01	4.41
300	-24.46	-22.72	12.61	150.00	-18.59	-21.87	-37.50	73.18	1.24	0.50	33.52	15.91	4.49
400	-24.64	-30.78	12.57	140.21	-18.58	-29.13	-34.73	67.23	1.25	0.50	33.00	16.07	4.42
500	-24.86	-38.15	12.52	130.43	-18.59	-36.34	-32.77	61.23	1.25	0.50	32.86	15.99	4.48
600	-25.19	-45.17	12.48	120.66	-18.59	-43.61	-31.09	55.08	1.25	0.49	32.71	16.14	4.50
700	-25.55	-51.98	12.43	110.94	-18.60	-50.88	-29.78	48.16	1.26	0.49	32.67	16.22	4.43
800	-25.97	-59.68	12.40	101.25	-18.61	-58.14	-28.45	40.98	1.26	0.49	32.73	16.20	4.46
900	-26.38	-66.40	12.34	91.56	-18.62	-65.38	-27.40	32.92	1.27	0.48	32.79	16.28	4.44
1000	-26.76	-73.64	12.30	81.89	-18.64	-72.69	-26.39	25.22	1.27	0.48	32.61	16.12	4.41
1100	-27.36	-81.37	12.25	72.28	-18.65	-79.96	-25.60	18.10	1.28	0.48	32.51	16.05	4.47
1200	-27.80	-88.13	12.20	62.63	-18.67	-87.21	-24.97	9.92	1.28	0.47	32.52	15.91	4.46
1300	-28.52	-94.95	12.15	53.03	-18.69	-94.48	-24.37	2.34	1.29	0.47	32.67	15.84	4.52
1400	-29.03	-103.80	12.10	43.47	-18.70	-101.79	-23.99	-5.74	1.30	0.47	32.31	15.97	4.51
1500	-29.71	-111.78	12.05	33.90	-18.72	-109.16	-23.56	-13.50	1.30	0.46	32.42	15.97	4.53
1600	-30.21	-119.28	11.99	24.31	-18.76	-116.38	-23.20	-21.81	1.31	0.46	32.83	15.97	4.54
1700	-30.88	-128.72	11.95	14.80	-18.79	-123.59	-22.96	-30.30	1.32	0.45	33.39	16.03	4.51
1800	-31.48	-138.32	11.89	5.29	-18.82	-130.88	-22.80	-38.85	1.33	0.45	33.33	15.94	4.56
1900	-31.86	-149.97	11.83	-4.19	-18.84	-138.08	-22.67	-47.96	1.34	0.45	32.86	15.94	4.49
2000	-32.47	-162.42	11.79	-13.72	-18.87	-145.47	-22.65	-56.75	1.34	0.44	32.95	16.06	4.48
2100	-32.77	-172.02	11.72	-23.28	-18.93	-152.74	-22.45	-66.30	1.36	0.44	32.41	16.05	4.50
2200	-32.80	175.92	11.66	-32.77	-18.97	-159.99	-22.43	-76.06	1.37	0.43	32.66	16.07	4.45
2300	-32.47	160.56	11.60	-42.21	-18.98	-167.26	-22.52	-86.11	1.38	0.43	32.39	16.09	4.56
2400	-32.21	148.10	11.54	-51.68	-19.02	-174.58	-22.53	-95.79	1.39	0.42	32.15	16.09	4.52
2500	-31.88	133.27	11.48	-61.12	-19.07	178.19	-22.57	-105.85	1.40	0.42	32.14	16.06	4.53
2600	-32.11	123.93	11.40	-70.61	-19.15	170.90	-22.44	-115.85	1.42	0.41	31.44	16.01	4.49
2700	-30.92	108.32	11.35	-79.93	-19.16	163.74	-22.65	-126.45	1.42	0.41	31.59	16.02	4.55
2800	-30.92	95.91	11.28	-89.40	-19.21	156.36	-22.62	-136.08	1.44	0.40	31.21	15.92	4.55
2900	-30.08	83.82	11.22	-98.73	-19.26	149.22	-22.66	-146.98	1.45	0.40	31.44	15.80	4.47
3000	-29.57	71.59	11.16	-108.18	-19.30	141.83	-22.74	-156.42	1.47	0.39	31.08	15.75	4.57
3100	-29.80	63.00	11.06	-117.55	-19.41	134.54	-22.44	-166.62	1.49	0.38	30.56	15.60	4.58
3200	-28.73	51.74	11.01	-126.78	-19.44	127.55	-22.66	-177.80	1.50	0.38	30.53	15.49	4.62
3300	-28.06	40.44	10.95	-136.11	-19.47	120.41	-22.77	171.69	1.51	0.38	30.42	15.51	4.57
3400	-27.88	29.52	10.87	-145.52	-19.53	113.02	-22.67	162.53	1.53	0.37	30.00	15.39	4.62
3500	-28.23	22.23	10.77	-154.80	-19.66	105.60	-22.23	153.26	1.56	0.36	29.90	15.25	4.69
3600	-27.16	11.31	10.74	-164.00	-19.68	98.83	-22.57	141.39	1.57	0.36	29.34	15.13	4.59
3700	-27.11	-2.28	10.67	-173.43	-19.72	91.35	-22.55	133.33	1.59	0.36	29.10	14.98	4.60
3800	-26.60	-10.26	10.61	177.41	-19.79	84.51	-22.57	121.86	1.60	0.35	28.74	14.89	4.62
4000	-27.10	-36.31	10.44	158.57	-19.90	69.56	-22.44	107.04	1.65	0.34	28.17	14.64	4.72

TYPE: MMIC Amplifier
MODEL: ERA-6 Reference Data: RDF-1128C
S PARAMETERS are presented in dB/deg Format
TEST CONDITIONS: INPUT POWER = -15dBm, Icc = 84mA, Vd = 5.00V @Temperature = +25degC

Definitions:
Input Return Loss=-S11(dB)
Gain(Power Gain)=S21(dB)
Reverse Isolation=-S12(dB)
Output Return Loss=-S22(dB)

FREQ	S11		S21		S12		S22		Stability		IP-3 Output	1 dB Compression Output	Noise Figure
(MHz)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K	Delta	(dBm)	(dBm)	(dB)
50	-25.79	0.06	12.89	174.50	-18.65	-4.08	-36.07	156.93	1.22	0.51	38.70	17.54	4.57
100	-26.19	-4.43	12.86	169.62	-18.71	-7.58	-35.26	149.94	1.23	0.51	38.57	17.47	4.60
200	-26.29	-11.93	12.81	159.90	-18.72	-14.68	-34.02	130.93	1.24	0.51	38.63	17.62	4.65
300	-26.39	-20.86	12.78	150.05	-18.73	-21.88	-32.94	115.44	1.24	0.50	38.50	17.75	4.67
400	-26.58	-28.26	12.74	140.27	-18.72	-28.92	-31.38	100.52	1.24	0.50	37.75	17.92	4.65
500	-26.82	-34.79	12.69	130.52	-18.74	-36.22	-30.00	88.55	1.25	0.50	37.59	18.05	4.68
600	-27.21	-41.12	12.65	120.77	-18.72	-43.44	-28.75	77.46	1.25	0.50	37.43	18.09	4.69
700	-27.64	-46.70	12.60	111.09	-18.74	-50.66	-27.67	67.69	1.26	0.49	37.14	18.24	4.66
800	-28.10	-53.48	12.56	101.38	-18.75	-57.97	-26.61	57.67	1.26	0.49	37.21	18.30	4.69
900	-28.57	-58.85	12.51	91.73	-18.76	-65.18	-25.73	47.64	1.26	0.49	37.31	18.48	4.65
1000	-29.01	-64.74	12.47	82.09	-18.77	-72.42	-24.90	38.34	1.27	0.48	36.98	18.56	4.67
1100	-29.68	-71.08	12.41	72.50	-18.78	-79.66	-24.18	29.67	1.27	0.48	36.81	18.66	4.75
1200	-30.15	-76.14	12.36	62.89	-18.79	-86.90	-23.65	20.65	1.28	0.47	36.80	18.68	4.72
1300	-30.94	-80.68	12.30	53.32	-18.82	-94.18	-23.12	12.04	1.29	0.47	36.66	18.56	4.73
1400	-31.55	-87.82	12.26	43.78	-18.83	-101.43	-22.78	3.32	1.29	0.47	36.31	18.68	4.70
1500	-32.37	-93.36	12.20	34.24	-18.86	-108.75	-22.38	-4.94	1.30	0.46	36.31	18.61	4.72
1600	-32.82	-98.73	12.15	24.68	-18.89	-115.92	-22.06	-13.82	1.31	0.46	36.58	18.55	4.78
1700	-33.67	-105.40	12.09	15.22	-18.92	-123.20	-21.86	-22.67	1.32	0.45	37.01	18.58	4.78
1800	-34.42	-112.50	12.04	5.73	-18.94	-130.38	-21.71	-31.43	1.32	0.45	36.72	18.47	4.78
1900	-35.08	-122.79	11.98	-3.74	-18.97	-137.59	-21.60	-40.67	1.33	0.45	36.14	18.48	4.73
2000	-36.17	-133.11	11.93	-13.19	-18.98	-144.94	-21.58	-49.58	1.34	0.44	35.93	18.47	4.73
2100	-36.60	-140.72	11.86	-22.73	-19.04	-152.21	-21.43	-59.25	1.35	0.44	35.42	18.31	4.71
2200	-36.98	-153.43	11.80	-32.17	-19.09	-159.40	-21.44	-68.96	1.36	0.43	35.47	18.16	4.69
2300	-37.19	-172.44	11.74	-41.57	-19.10	-166.63	-21.53	-78.92	1.37	0.43	34.96	17.97	4.78
2400	-37.12	172.96	11.67	-51.01	-19.13	-173.94	-21.57	-88.54	1.38	0.42	34.64	17.81	4.76
2500	-37.22	154.04	11.61	-60.42	-19.18	178.86	-21.64	-98.52	1.40	0.42	34.32	17.74	4.77
2600	-37.55	146.21	11.53	-69.85	-19.25	171.55	-21.53	-108.63	1.41	0.41	33.73	17.56	4.72
2700	-36.00	121.76	11.48	-79.14	-19.25	164.40	-21.76	-118.93	1.42	0.41	33.65	17.46	4.84
2800	-36.21	107.82	11.41	-88.55	-19.31	157.08	-21.76	-128.60	1.43	0.40	33.22	17.33	4.75
2900	-34.86	92.47	11.34	-97.85	-19.36	149.94	-21.83	-139.27	1.45	0.40	33.39	17.19	4.76
3000	-34.20	78.12	11.29	-107.27	-19.39	142.60	-21.93	-148.70	1.46	0.39	33.11	17.10	4.82
3100	-34.54	70.77	11.18	-116.59	-19.50	135.31	-21.67	-159.02	1.48	0.38	32.56	16.90	4.86
3200	-32.88	57.33	11.13	-125.79	-19.51	128.32	-21.93	-169.87	1.49	0.38	32.51	16.84	4.87
3300	-31.88	44.68	11.08	-135.08	-19.55	121.18	-22.06	179.84	1.51	0.38	32.52	16.81	4.85
3400	-31.72	33.16	11.00	-144.44	-19.61	113.88	-21.98	170.48	1.52	0.37	31.91	16.72	4.92
3500	-32.31	27.73	10.90	-153.69	-19.73	106.51	-21.59	160.85	1.55	0.36	31.73	16.65	4.95
3600	-30.70	15.51	10.86	-162.82	-19.74	99.72	-21.97	149.52	1.56	0.36	31.18	16.50	4.90
3700	-30.71	-0.07	10.79	-172.20	-19.79	92.22	-21.94	141.32	1.58	0.36	30.79	16.37	4.89
3800	-30.00	-7.16	10.74	178.68	-19.84	85.39	-22.01	130.03	1.59	0.35	30.45	16.26	4.86
4000	-30.87	-36.47	10.57	159.92	-19.94	70.44	-21.86	114.75	1.63	0.34	29.83	16.09	4.95

TYPE: MMIC Amplifier
MODEL: ERA-6 Reference Data: RDF-1128C
S PARAMETERS are presented in dB/deg Format
TEST CONDITIONS: INPUT POWER = -15dBm, Icc = 70mA, Vd = 5.09V @Temperature = -45degC

Definitions:
Input Return Loss=-S11(dB)
Gain(Power Gain)=S21(dB)
Reverse Isolation=-S12(dB)
Output Return Loss=-S22(dB)

FREQ	S11		S21		S12		S22		Stability		IP-3 Output	1 dB Compression Output	Noise Figure
(MHz)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K	Delta	(dBm)	(dBm)	(dB)
50	-24.27	-2.16	12.89	174.38	-18.71	-4.40	-43.83	142.82	1.23	0.51	37.25	17.68	3.85
100	-23.85	-8.17	12.86	169.38	-18.69	-7.98	-46.54	100.36	1.23	0.51	37.18	17.69	3.85
200	-23.43	-14.22	12.82	159.42	-18.71	-15.25	-38.22	67.33	1.23	0.51	37.28	17.73	3.92
300	-24.48	-19.83	12.80	149.25	-18.69	-22.83	-35.05	88.40	1.23	0.51	37.37	17.73	3.90
400	-25.53	-27.35	12.77	139.16	-18.69	-30.35	-32.41	89.99	1.24	0.51	36.74	17.87	3.91
500	-26.24	-36.07	12.73	129.04	-18.68	-38.00	-30.47	82.56	1.24	0.50	36.64	17.90	3.92
600	-26.80	-44.93	12.69	118.95	-18.68	-45.62	-29.14	74.10	1.24	0.50	36.58	17.98	3.92
700	-26.69	-52.14	12.65	108.93	-18.68	-53.25	-28.60	62.18	1.25	0.50	36.46	18.07	3.89
800	-26.67	-58.65	12.61	98.88	-18.68	-60.95	-27.69	49.30	1.25	0.50	36.65	18.07	3.91
900	-27.28	-64.26	12.56	88.85	-18.70	-68.58	-26.60	39.75	1.25	0.49	36.74	18.16	3.88
1000	-27.63	-73.06	12.52	78.87	-18.71	-76.20	-25.57	29.07	1.26	0.49	36.66	18.03	3.84
1100	-27.86	-80.76	12.47	68.94	-18.71	-83.87	-24.72	19.45	1.26	0.49	36.32	17.97	3.89
1200	-28.40	-82.55	12.42	58.96	-18.73	-91.47	-24.12	12.56	1.27	0.48	36.59	17.88	3.93
1300	-29.62	-85.26	12.37	49.05	-18.75	-99.23	-23.60	5.50	1.27	0.48	36.65	17.82	3.95
1400	-30.26	-94.94	12.32	39.16	-18.75	-106.80	-23.25	-4.61	1.28	0.48	36.28	17.92	3.89
1500	-30.73	-102.92	12.27	29.27	-18.78	-114.52	-22.73	-14.50	1.29	0.47	36.44	17.91	3.96
1600	-31.36	-108.32	12.22	19.39	-18.80	-122.08	-22.22	-23.47	1.29	0.47	36.78	17.95	3.97
1700	-32.48	-114.06	12.17	9.57	-18.83	-129.72	-21.84	-31.54	1.30	0.46	37.49	17.99	3.96
1800	-33.46	-119.88	12.12	-0.30	-18.85	-137.38	-21.67	-39.79	1.31	0.46	37.27	17.88	3.96
1900	-34.01	-128.48	12.06	-10.10	-18.88	-145.00	-21.57	-49.17	1.32	0.45	36.76	17.91	3.94
2000	-35.09	-136.63	12.01	-19.92	-18.88	-152.70	-21.54	-58.45	1.32	0.45	36.65	17.99	3.92
2100	-36.22	-142.33	11.94	-29.77	-18.95	-160.34	-21.25	-68.19	1.33	0.45	36.19	17.98	3.86
2200	-37.49	-159.09	11.89	-39.62	-18.98	-168.03	-21.16	-78.04	1.34	0.44	36.41	17.96	3.87
2300	-37.15	178.04	11.83	-49.36	-19.00	-175.65	-21.20	-88.39	1.35	0.44	35.95	17.91	3.94
2400	-36.86	169.13	11.76	-59.15	-19.03	176.72	-21.24	-97.27	1.36	0.43	35.67	17.85	3.98
2500	-37.44	152.24	11.71	-68.87	-19.07	169.07	-21.47	-106.99	1.37	0.43	35.49	17.82	3.96
2600	-37.04	147.54	11.62	-78.69	-19.15	161.43	-21.42	-118.36	1.39	0.42	34.75	17.69	3.92
2700	-35.38	122.82	11.59	-88.36	-19.14	153.82	-21.77	-129.43	1.39	0.42	34.85	17.64	3.96
2800	-36.00	112.23	11.51	-98.10	-19.18	146.17	-21.74	-139.91	1.41	0.41	34.32	17.51	3.92
2900	-35.31	89.32	11.45	-107.78	-19.23	138.50	-21.66	-150.42	1.42	0.41	34.64	17.38	3.94
3000	-34.33	73.21	11.39	-117.53	-19.26	130.79	-21.71	-159.77	1.43	0.40	34.30	17.30	3.96
3100	-34.69	69.52	11.31	-127.19	-19.33	123.09	-21.79	-169.49	1.45	0.40	33.72	17.06	4.01
3200	-34.40	63.14	11.24	-136.72	-19.39	115.71	-21.98	179.14	1.46	0.39	33.56	17.06	4.03
3300	-34.19	45.11	11.18	-146.34	-19.42	108.15	-22.07	168.59	1.48	0.39	33.61	17.02	3.96
3400	-34.03	22.32	11.12	-156.13	-19.44	100.33	-22.08	160.20	1.49	0.38	33.00	16.91	4.09
3500	-35.14	16.84	11.01	-165.76	-19.59	92.44	-21.52	150.84	1.52	0.37	32.87	16.85	4.04
3600	-32.38	2.59	10.98	-175.21	-19.58	85.43	-22.06	138.56	1.52	0.37	32.32	16.70	4.01
3700	-32.24	-8.39	10.91	175.10	-19.64	77.58	-22.11	129.39	1.54	0.37	31.89	16.51	3.98
3800	-31.86	-13.47	10.86	165.61	-19.69	70.22	-22.35	117.38	1.56	0.36	31.57	16.39	4.02
4000	-32.23	-47.89	10.72	146.19	-19.75	54.76	-22.22	98.55	1.58	0.36	30.92	16.17	4.10

TYPE: MMIC Amplifier
MODEL: ERA-6 Reference Data: RDF-1128C
S PARAMETERS are presented in dB/deg Format
TEST CONDITIONS: INPUT POWER = -15dBm, Icc = 56mA, Vd =4.92V @Temperature = -45degC

Definitions:
Input Return Loss=-S11(dB)
Gain(Power Gain)=S21(dB)
Reverse Isolation=-S12(dB)
Output Return Loss=-S22(dB)

FREQ	S11		S21		S12		S22		Stability		IP-3 Output	1 dB Compression Output	Noise Figure
(MHz)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K	Delta	(dBm)	(dBm)	(dB)
50	-23.45	-2.63	12.79	174.34	-18.59	-4.23	-45.84	47.50	1.23	0.51	33.98	16.12	3.75
100	-23.08	-8.54	12.76	169.37	-18.61	-7.90	-42.22	24.31	1.23	0.51	33.87	16.27	3.78
200	-22.65	-14.83	12.73	159.40	-18.62	-15.32	-36.43	33.71	1.23	0.51	34.07	16.09	3.80
300	-23.61	-21.01	12.71	149.25	-18.62	-22.89	-36.07	60.71	1.24	0.51	34.19	16.00	3.80
400	-24.58	-28.75	12.68	139.12	-18.62	-30.38	-34.09	71.16	1.24	0.50	33.69	16.20	3.81
500	-25.23	-37.88	12.64	129.00	-18.61	-38.10	-31.94	68.54	1.24	0.50	33.61	16.14	3.79
600	-25.74	-47.03	12.60	118.91	-18.61	-45.69	-30.50	62.43	1.24	0.50	33.47	16.31	3.82
700	-25.64	-54.56	12.56	108.86	-18.61	-53.36	-29.77	51.37	1.25	0.50	33.45	16.35	3.82
800	-25.66	-61.52	12.52	98.81	-18.62	-60.99	-28.66	39.31	1.25	0.49	33.56	16.40	3.82
900	-26.24	-67.82	12.48	88.80	-18.63	-68.64	-27.46	31.15	1.26	0.49	33.67	16.48	3.78
1000	-26.55	-77.13	12.43	78.79	-18.63	-76.31	-26.31	21.56	1.26	0.49	33.53	16.28	3.77
1100	-26.76	-85.21	12.38	68.83	-18.64	-83.99	-25.40	12.76	1.26	0.49	33.39	16.20	3.82
1200	-27.34	-88.34	12.33	58.85	-18.66	-91.60	-24.79	6.65	1.27	0.48	33.42	16.04	3.83
1300	-28.53	-92.63	12.29	48.92	-18.68	-99.37	-24.27	0.14	1.28	0.48	33.62	15.97	3.85
1400	-29.08	-102.93	12.24	39.02	-18.69	-106.97	-23.89	-9.94	1.28	0.47	33.30	16.11	3.80
1500	-29.55	-111.63	12.19	29.11	-18.71	-114.73	-23.31	-19.32	1.29	0.47	33.50	16.08	3.84
1600	-30.18	-118.39	12.14	19.23	-18.74	-122.30	-22.77	-27.90	1.29	0.47	33.89	16.14	3.86
1700	-31.24	-126.09	12.09	9.37	-18.76	-129.96	-22.39	-35.74	1.30	0.46	34.51	16.22	3.89
1800	-32.17	-133.96	12.04	-0.50	-18.79	-137.64	-22.22	-43.78	1.31	0.46	34.41	16.11	3.87
1900	-32.70	-143.72	11.98	-10.31	-18.81	-145.25	-22.10	-52.93	1.32	0.45	34.05	16.13	3.82
2000	-33.60	-153.93	11.94	-20.12	-18.82	-152.97	-22.05	-62.25	1.32	0.45	34.07	16.25	3.80
2100	-34.70	-162.82	11.87	-30.06	-18.88	-160.60	-21.75	-71.74	1.34	0.44	33.61	16.28	3.77
2200	-35.36	179.37	11.81	-39.89	-18.91	-168.29	-21.65	-81.73	1.34	0.44	34.01	16.39	3.81
2300	-34.66	160.78	11.76	-49.65	-18.93	-175.96	-21.68	-92.03	1.35	0.44	33.65	16.43	3.83
2400	-34.47	151.89	11.69	-59.46	-18.97	176.31	-21.74	-100.95	1.36	0.43	33.58	16.51	3.88
2500	-34.55	135.68	11.63	-69.22	-19.01	168.83	-21.96	-110.61	1.37	0.43	33.61	16.55	3.88
2600	-34.40	129.91	11.56	-79.03	-19.09	161.10	-21.87	-122.09	1.39	0.42	32.91	16.49	3.81
2700	-32.82	111.26	11.52	-88.71	-19.08	153.47	-22.22	-133.36	1.40	0.42	33.07	16.50	3.86
2800	-33.22	100.05	11.44	-98.47	-19.14	145.80	-22.19	-143.93	1.41	0.41	32.70	16.44	3.84
2900	-32.49	81.25	11.38	-108.18	-19.18	138.15	-22.08	-154.37	1.42	0.41	33.03	16.40	3.81
3000	-31.70	67.42	11.32	-117.94	-19.21	130.41	-22.13	-163.75	1.43	0.40	32.67	16.36	3.84
3100	-31.97	61.43	11.24	-127.63	-19.28	122.71	-22.19	-173.40	1.45	0.40	32.15	16.15	3.87
3200	-31.83	54.31	11.17	-137.18	-19.34	115.30	-22.36	175.04	1.47	0.39	32.23	16.13	3.89
3300	-31.53	38.57	11.11	-146.85	-19.38	107.77	-22.44	164.45	1.48	0.39	32.03	16.12	3.89
3400	-31.32	19.28	11.05	-156.64	-19.40	99.89	-22.45	156.00	1.49	0.38	31.60	16.01	3.96
3500	-32.06	12.09	10.94	-166.29	-19.55	92.04	-21.85	146.91	1.52	0.37	31.54	15.94	3.95
3600	-30.00	-0.26	10.92	-175.75	-19.55	85.02	-22.40	134.34	1.53	0.37	31.06	15.82	3.93
3700	-29.81	-11.30	10.84	174.54	-19.60	77.16	-22.44	125.28	1.55	0.37	30.66	15.66	3.91
3800	-29.57	-17.27	10.79	165.02	-19.67	69.77	-22.66	113.04	1.56	0.36	30.25	15.54	3.88
4000	-29.75	-48.29	10.66	145.56	-19.73	54.25	-22.52	94.33	1.59	0.35	29.63	15.37	3.93

TYPE: MMIC Amplifier
MODEL: ERA-6 Reference Data: RDF-1128C
S PARAMETERS are presented in dB/deg Format
TEST CONDITIONS: INPUT POWER = -15dBm, Icc = 84mA, Vd = 5.25V @Temperature = -45degC

Definitions:
Input Return Loss=-S11(dB)
Gain(Power Gain)=S21(dB)
Reverse Isolation=-S12(dB)
Output Return Loss=-S22(dB)

FREQ	S11		S21		S12		S22		Stability		IP-3 Output	1 dB Compression Output	Noise Figure
(MHz)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K	Delta	(dBm)	(dBm)	(dB)
50	-24.88	-2.07	12.95	174.35	-18.74	-4.41	-38.47	158.04	1.23	0.51	39.35	17.99	3.92
100	-24.41	-7.74	12.92	169.39	-18.73	-7.74	-41.37	135.67	1.23	0.51	39.25	17.93	3.96
200	-23.98	-13.70	12.88	159.41	-18.74	-15.38	-37.62	91.54	1.23	0.51	39.46	18.08	4.01
300	-25.08	-18.95	12.86	149.27	-18.73	-22.86	-33.58	101.36	1.23	0.51	39.31	18.19	4.01
400	-26.24	-25.97	12.83	139.18	-18.73	-30.36	-31.15	98.78	1.24	0.51	38.75	18.34	4.00
500	-26.99	-34.58	12.79	129.07	-18.74	-38.01	-29.43	89.27	1.24	0.50	38.72	18.48	4.03
600	-27.59	-43.13	12.75	119.00	-18.72	-45.61	-28.26	79.89	1.24	0.50	38.58	18.54	4.03
700	-27.43	-50.06	12.71	108.99	-18.73	-53.23	-27.77	67.73	1.25	0.50	38.46	18.70	3.97
800	-27.42	-56.16	12.66	98.94	-18.73	-60.87	-26.97	54.57	1.25	0.50	38.60	18.79	4.03
900	-28.05	-61.11	12.62	88.95	-18.74	-68.46	-25.97	44.42	1.25	0.49	38.66	18.94	3.99
1000	-28.41	-69.81	12.57	78.99	-18.75	-76.11	-25.00	33.28	1.26	0.49	38.49	18.99	3.98
1100	-28.63	-77.07	12.52	69.03	-18.75	-83.78	-24.23	23.34	1.26	0.49	38.26	19.06	4.01
1200	-29.14	-77.88	12.48	59.10	-18.77	-91.38	-23.65	15.96	1.27	0.48	38.20	19.00	4.03
1300	-30.37	-78.93	12.42	49.20	-18.79	-99.11	-23.13	8.53	1.27	0.48	38.35	18.92	4.04
1400	-31.03	-87.96	12.38	39.34	-18.80	-106.75	-22.81	-1.74	1.28	0.48	38.02	19.03	4.01
1500	-31.51	-95.15	12.32	29.45	-18.81	-114.45	-22.31	-11.67	1.28	0.47	38.06	18.97	4.04
1600	-32.07	-99.48	12.27	19.58	-18.84	-121.98	-21.83	-20.86	1.29	0.47	38.36	18.98	4.07
1700	-33.17	-103.58	12.21	9.78	-18.87	-129.61	-21.46	-29.19	1.30	0.46	39.06	19.04	4.08
1800	-34.07	-107.79	12.16	-0.08	-18.89	-137.29	-21.30	-37.50	1.30	0.46	38.74	18.90	4.09
1900	-34.63	-115.05	12.10	-9.85	-18.92	-144.82	-21.20	-46.89	1.31	0.45	38.24	18.95	4.03
2000	-35.60	-121.10	12.06	-19.63	-18.92	-152.51	-21.16	-56.27	1.32	0.45	38.06	19.00	4.01
2100	-36.56	-124.51	11.99	-29.52	-18.99	-160.19	-20.90	-66.05	1.33	0.45	37.56	18.89	3.99
2200	-38.18	-137.48	11.93	-39.31	-19.01	-167.86	-20.82	-75.91	1.34	0.44	37.73	18.76	4.02
2300	-38.57	-161.83	11.88	-49.05	-19.03	-175.47	-20.86	-86.25	1.35	0.44	37.11	18.59	4.05
2400	-38.24	-170.81	11.81	-58.83	-19.06	176.82	-20.90	-95.21	1.36	0.43	36.81	18.49	4.07
2500	-39.31	172.98	11.75	-68.52	-19.10	169.28	-21.12	-104.75	1.37	0.43	36.46	18.40	4.06
2600	-38.52	168.09	11.67	-78.33	-19.18	161.64	-21.09	-116.14	1.39	0.42	35.81	18.22	4.03
2700	-37.39	137.00	11.63	-87.94	-19.17	153.98	-21.43	-127.03	1.39	0.42	35.76	18.15	4.11
2800	-38.15	128.50	11.55	-97.71	-19.22	146.36	-21.42	-137.56	1.41	0.41	35.30	18.02	4.04
2900	-37.96	100.50	11.49	-107.35	-19.26	138.68	-21.34	-148.02	1.42	0.41	35.55	17.88	4.06
3000	-36.94	81.43	11.43	-117.11	-19.28	131.00	-21.40	-157.42	1.43	0.40	35.18	17.79	4.07
3100	-37.21	79.77	11.35	-126.74	-19.35	123.34	-21.47	-167.06	1.45	0.40	34.67	17.58	4.11
3200	-36.74	74.74	11.28	-136.25	-19.41	115.94	-21.66	-178.39	1.46	0.39	34.62	17.55	4.11
3300	-36.76	54.27	11.22	-145.86	-19.44	108.41	-21.77	171.21	1.47	0.39	34.57	17.54	4.11
3400	-36.98	27.02	11.16	-155.63	-19.47	100.55	-21.77	162.72	1.49	0.38	33.98	17.40	4.16
3500	-38.44	24.45	11.05	-165.25	-19.61	92.74	-21.22	153.20	1.52	0.37	33.93	17.39	4.20
3600	-34.82	6.29	11.02	-174.68	-19.60	85.67	-21.77	141.12	1.52	0.37	33.19	17.26	4.15
3700	-34.60	-5.21	10.95	175.65	-19.66	77.78	-21.82	132.09	1.54	0.37	32.66	17.10	4.13
3800	-34.16	-8.43	10.89	166.19	-19.72	70.48	-22.08	120.13	1.55	0.36	32.40	17.00	4.15
4000	-34.81	-47.12	10.76	146.79	-19.77	55.01	-21.96	101.30	1.58	0.36	31.53	16.79	4.22

TYPE: MMIC Amplifier
MODEL: ERA-6 Reference Data: RDF-1128C
S PARAMETERS are presented in dB/deg Format
TEST CONDITIONS: INPUT POWER = -15dBm, Icc = 70mA, Vd = 4.66V @Temperature = +85degC

Definitions:
Input Return Loss=-S11(dB)
Gain(Power Gain)=S21(dB)
Reverse Isolation=-S12(dB)
Output Return Loss=-S22(dB)

FREQ	S11		S21		S12		S22		Stability		IP-3 Output	1 dB Compression Output	Noise Figure
(MHz)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K	Delta	(dBm)	(dBm)	(dB)
50	-25.42	0.95	12.75	174.56	-18.65	-4.10	-38.93	136.45	1.24	0.51	35.99	16.77	4.86
100	-26.57	-2.32	12.72	169.79	-18.64	-7.34	-35.27	142.76	1.24	0.50	35.89	16.72	4.91
200	-27.97	-10.80	12.67	160.27	-18.65	-14.24	-32.37	138.57	1.24	0.50	36.17	16.83	4.98
300	-27.35	-23.28	12.64	150.57	-18.66	-21.13	-33.29	124.48	1.25	0.50	36.01	16.93	4.96
400	-26.38	-32.39	12.59	141.00	-18.66	-28.09	-33.63	98.10	1.25	0.50	35.37	17.08	5.00
500	-26.01	-38.94	12.55	131.42	-18.67	-35.08	-32.19	79.53	1.26	0.49	35.09	17.16	5.05
600	-26.22	-44.54	12.50	121.86	-18.67	-42.07	-30.69	68.60	1.26	0.49	34.91	17.20	5.04
700	-26.45	-50.26	12.45	112.39	-18.68	-49.00	-29.52	59.29	1.26	0.49	34.75	17.32	5.04
800	-26.53	-57.66	12.41	102.89	-18.69	-56.05	-28.40	48.09	1.27	0.48	34.76	17.34	5.07
900	-26.53	-64.13	12.35	93.42	-18.71	-63.04	-27.39	36.27	1.27	0.48	34.80	17.46	5.01
1000	-26.69	-70.65	12.31	83.97	-18.72	-69.99	-26.27	27.13	1.28	0.48	34.54	17.38	5.03
1100	-27.15	-77.58	12.25	74.58	-18.73	-77.05	-25.40	19.48	1.28	0.47	34.28	17.35	5.07
1200	-27.63	-82.93	12.20	65.16	-18.75	-84.03	-24.65	11.98	1.29	0.47	34.27	17.28	5.10
1300	-28.47	-87.98	12.14	55.80	-18.78	-91.06	-23.93	5.41	1.30	0.46	34.18	17.18	5.11
1400	-29.38	-94.81	12.10	46.46	-18.79	-98.09	-23.44	-1.13	1.30	0.46	33.79	17.29	5.06
1500	-30.55	-100.77	12.04	37.11	-18.82	-105.16	-22.97	-7.32	1.31	0.46	33.89	17.22	5.16
1600	-31.35	-107.03	11.98	27.75	-18.86	-112.05	-22.56	-14.83	1.32	0.45	34.25	17.18	5.20
1700	-32.68	-115.19	11.93	18.49	-18.88	-119.08	-22.24	-22.16	1.33	0.45	34.67	17.21	5.12
1800	-33.95	-124.15	11.88	9.17	-18.91	-125.99	-22.06	-29.44	1.34	0.44	34.29	17.13	5.15
1900	-35.05	-136.89	11.81	-0.08	-18.94	-133.00	-21.97	-37.37	1.35	0.44	33.78	17.11	5.12
2000	-36.31	-152.27	11.76	-9.34	-18.97	-140.07	-21.98	-45.32	1.36	0.44	33.72	17.14	5.12
2100	-36.61	-164.91	11.70	-18.67	-19.02	-147.06	-21.92	-54.35	1.37	0.43	33.20	17.01	5.09
2200	-36.17	178.21	11.64	-27.95	-19.06	-154.04	-22.09	-63.75	1.38	0.42	33.21	16.88	5.11
2300	-35.09	160.76	11.58	-37.16	-19.09	-161.01	-22.35	-73.93	1.39	0.42	32.74	16.73	5.13
2400	-34.04	148.34	11.51	-46.42	-19.13	-168.10	-22.49	-84.30	1.40	0.42	32.37	16.60	5.18
2500	-32.75	133.39	11.45	-55.60	-19.17	-175.01	-22.69	-95.37	1.42	0.41	32.16	16.52	5.20
2600	-32.27	126.86	11.37	-64.85	-19.25	178.04	-22.67	-106.86	1.43	0.40	31.50	16.35	5.15
2700	-30.86	112.24	11.32	-74.00	-19.26	171.06	-22.91	-117.79	1.44	0.40	31.49	16.27	5.21
2800	-30.49	103.80	11.23	-83.21	-19.34	164.08	-22.87	-129.05	1.46	0.39	31.13	16.15	5.16
2900	-29.55	91.79	11.18	-92.35	-19.37	157.08	-22.94	-140.34	1.47	0.39	31.26	16.00	5.16
3000	-29.03	80.86	11.11	-101.55	-19.42	150.03	-22.89	-150.69	1.49	0.39	30.93	15.89	5.23
3100	-29.14	70.95	11.02	-110.74	-19.51	142.90	-22.57	-160.33	1.51	0.38	30.41	15.66	5.19
3200	-28.04	61.52	10.96	-119.69	-19.55	136.31	-22.62	-172.43	1.52	0.37	30.33	15.59	5.24
3300	-27.60	49.90	10.90	-128.82	-19.59	129.36	-22.55	178.22	1.54	0.37	30.24	15.57	5.26
3400	-27.39	37.32	10.83	-138.02	-19.64	122.26	-22.48	170.06	1.55	0.36	29.69	15.42	5.33
3500	-27.39	30.43	10.73	-146.99	-19.77	115.43	-22.06	160.30	1.58	0.36	29.58	15.34	5.34
3600	-26.79	18.55	10.68	-156.04	-19.80	108.69	-22.21	150.42	1.60	0.35	29.00	15.19	5.29
3700	-26.73	6.72	10.60	-165.18	-19.87	101.59	-22.13	142.46	1.62	0.35	28.69	14.96	5.30
3800	-26.37	-3.79	10.54	-174.22	-19.92	94.76	-22.23	133.31	1.63	0.34	28.40	14.88	5.43
4000	-26.42	-25.50	10.38	167.57	-20.05	80.74	-22.12	117.13	1.68	0.33	27.88	14.66	5.38

TYPE: MMIC Amplifier
MODEL: ERA-6 Reference Data: RDF-1128C
S PARAMETERS are presented in dB/deg Format
TEST CONDITIONS: INPUT POWER = -15dBm, Icc = 56mA, Vd = 4.50V @Temperature = +85degC

Definitions:
Input Return Loss=-S11(dB)
Gain(Power Gain)=S21(dB)
Reverse Isolation=-S12(dB)
Output Return Loss=-S22(dB)

FREQ	S11		S21		S12		S22		Stability		IP-3 Output	1 dB Compression Output	Noise Figure
(MHz)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K	Delta	(dBm)	(dBm)	(dB)
50	-24.19	0.33	12.62	174.58	-18.55	-4.14	-43.42	72.30	1.24	0.51	32.96	15.81	4.76
100	-25.15	-3.18	12.59	169.80	-18.53	-7.47	-40.32	111.56	1.24	0.50	32.82	15.90	4.82
200	-26.37	-12.24	12.55	160.26	-18.55	-14.31	-36.49	123.55	1.24	0.50	33.04	15.84	4.88
300	-25.84	-24.34	12.52	150.55	-18.57	-21.23	-37.55	104.02	1.25	0.50	33.15	15.77	4.89
400	-25.04	-33.51	12.48	140.96	-18.57	-28.17	-36.32	70.14	1.25	0.50	32.54	15.91	4.88
500	-24.75	-40.34	12.43	131.39	-18.59	-35.18	-33.98	55.09	1.26	0.49	32.34	15.80	4.94
600	-24.94	-46.61	12.38	121.83	-18.58	-42.16	-32.12	48.92	1.26	0.49	32.17	15.92	4.96
700	-25.15	-52.88	12.33	112.34	-18.59	-49.16	-30.82	42.41	1.27	0.49	32.14	16.00	4.96
800	-25.27	-60.59	12.29	102.83	-18.61	-56.18	-29.47	33.42	1.27	0.48	32.16	15.95	4.96
900	-25.27	-67.46	12.24	93.37	-18.61	-63.17	-28.27	23.59	1.28	0.48	32.18	16.01	4.93
1000	-25.43	-74.48	12.19	83.91	-18.63	-70.22	-27.07	15.87	1.28	0.48	32.04	15.87	4.91
1100	-25.87	-82.04	12.14	74.50	-18.64	-77.25	-26.14	9.76	1.29	0.47	31.83	15.79	4.98
1200	-26.31	-88.18	12.09	65.08	-18.66	-84.25	-25.39	3.21	1.29	0.47	31.84	15.69	4.97
1300	-27.10	-94.28	12.03	55.70	-18.69	-91.30	-24.65	-2.25	1.30	0.46	31.90	15.60	4.99
1400	-27.89	-102.29	11.99	46.34	-18.71	-98.31	-24.19	-8.08	1.31	0.46	31.53	15.71	4.97
1500	-28.90	-109.88	11.93	36.98	-18.73	-105.41	-23.72	-13.58	1.31	0.46	31.65	15.72	5.02
1600	-29.65	-117.37	11.87	27.61	-18.77	-112.34	-23.28	-20.54	1.32	0.45	32.05	15.69	5.10
1700	-30.73	-127.36	11.82	18.31	-18.80	-119.37	-22.97	-27.56	1.33	0.45	32.57	15.75	5.02
1800	-31.70	-137.84	11.77	8.99	-18.83	-126.34	-22.79	-34.51	1.34	0.44	32.37	15.67	5.07
1900	-32.36	-151.17	11.71	-0.29	-18.86	-133.33	-22.69	-42.26	1.35	0.44	31.90	15.65	5.00
2000	-33.14	-166.13	11.67	-9.57	-18.88	-140.40	-22.70	-50.04	1.36	0.44	31.89	15.74	5.00
2100	-33.22	-178.28	11.60	-18.91	-18.94	-147.41	-22.64	-59.03	1.37	0.43	31.37	15.70	4.97
2200	-32.79	167.79	11.54	-28.19	-18.99	-154.42	-22.82	-68.56	1.38	0.42	31.54	15.70	4.99
2300	-31.91	153.51	11.48	-37.47	-19.01	-161.44	-23.06	-78.96	1.39	0.42	31.22	15.66	5.00
2400	-31.12	142.50	11.41	-46.74	-19.06	-168.49	-23.18	-89.44	1.41	0.41	30.97	15.61	5.02
2500	-30.11	129.48	11.35	-55.98	-19.11	-175.46	-23.37	-100.75	1.42	0.41	30.89	15.55	5.05
2600	-29.75	122.31	11.27	-65.19	-19.18	177.63	-23.29	-112.36	1.44	0.40	30.24	15.43	5.01
2700	-28.67	109.38	11.22	-74.36	-19.20	170.53	-23.50	-123.54	1.45	0.40	30.30	15.44	5.10
2800	-28.38	100.71	11.14	-83.58	-19.28	163.59	-23.42	-134.92	1.47	0.39	30.02	15.32	5.03
2900	-27.64	89.47	11.08	-92.76	-19.31	156.58	-23.45	-146.28	1.48	0.39	30.10	15.19	4.99
3000	-27.18	78.87	11.02	-101.99	-19.36	149.58	-23.35	-156.64	1.49	0.38	29.83	15.11	5.07
3100	-27.26	68.95	10.92	-111.18	-19.45	142.38	-23.01	-166.05	1.51	0.38	29.25	14.91	5.10
3200	-26.37	59.56	10.87	-120.14	-19.49	135.82	-23.00	-178.15	1.53	0.37	29.29	14.79	5.18
3300	-26.00	48.54	10.80	-129.30	-19.54	128.83	-22.91	172.48	1.54	0.37	29.14	14.80	5.11
3400	-25.80	36.33	10.74	-138.53	-19.59	121.69	-22.85	164.38	1.56	0.36	28.69	14.70	5.17
3500	-25.77	28.96	10.64	-147.51	-19.72	114.82	-22.39	154.91	1.59	0.35	28.58	14.54	5.19
3600	-25.24	17.58	10.59	-156.58	-19.75	108.08	-22.52	144.99	1.60	0.35	28.03	14.38	5.13
3700	-25.22	6.08	10.51	-165.74	-19.83	100.98	-22.45	137.11	1.62	0.35	27.78	14.18	5.17
3800	-24.89	-4.25	10.45	-174.84	-19.88	94.14	-22.53	127.97	1.64	0.34	27.49	14.12	5.21
4000	-24.90	-25.57	10.29	166.90	-20.01	80.16	-22.42	111.96	1.68	0.33	27.02	13.82	5.27

TYPE: MMIC Amplifier
MODEL: ERA-6 Reference Data: RDF-1128C
S PARAMETERS are presented in dB/deg Format
TEST CONDITIONS: INPUT POWER = -15dBm, Icc = 84mA, Vd = 4.82V @Temperature = +85degC

Definitions:
Input Return Loss=-S11(dB)
Gain(Power Gain)=S21(dB)
Reverse Isolation=-S12(dB)
Output Return Loss=-S22(dB)

FREQ	S11		S21		S12		S22		Stability		IP-3 Output	1 dB Compression Output	Noise Figure
(MHz)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K	Delta	(dBm)	(dBm)	(dB)
50	-26.28	2.02	12.82	174.59	-18.70	-4.24	-35.49	151.66	1.23	0.51	38.33	17.01	5.01
100	-27.57	-0.65	12.79	169.80	-18.68	-7.40	-32.57	149.71	1.24	0.51	38.26	16.93	5.03
200	-29.13	-9.10	12.74	160.27	-18.72	-14.13	-30.37	143.28	1.24	0.50	38.32	17.07	5.13
300	-28.45	-22.37	12.71	150.59	-18.73	-21.13	-31.11	130.49	1.25	0.50	38.08	17.20	5.11
400	-27.34	-31.57	12.66	141.00	-18.72	-28.05	-31.67	107.73	1.25	0.50	37.31	17.40	5.11
500	-26.93	-37.59	12.61	131.43	-18.73	-35.02	-30.78	89.34	1.25	0.49	36.98	17.54	5.15
600	-27.17	-42.86	12.57	121.91	-18.72	-42.01	-29.47	77.38	1.26	0.49	36.84	17.57	5.20
700	-27.38	-48.14	12.52	112.42	-18.74	-48.94	-28.49	66.98	1.26	0.49	36.50	17.75	5.16
800	-27.46	-55.14	12.47	102.91	-18.75	-55.95	-27.53	54.95	1.27	0.48	36.31	17.81	5.14
900	-27.46	-61.23	12.42	93.47	-18.76	-62.93	-26.65	42.80	1.27	0.48	36.34	18.00	5.14
1000	-27.57	-67.58	12.37	84.03	-18.78	-69.94	-25.63	32.87	1.28	0.48	35.95	18.08	5.16
1100	-28.09	-74.00	12.32	74.63	-18.78	-76.94	-24.79	24.55	1.28	0.47	35.71	18.18	5.18
1200	-28.54	-78.64	12.26	65.23	-18.81	-83.89	-24.09	16.38	1.29	0.47	35.60	18.20	5.20
1300	-29.43	-82.56	12.20	55.88	-18.83	-90.90	-23.39	9.24	1.30	0.46	35.37	18.05	5.23
1400	-30.41	-88.34	12.16	46.54	-18.85	-97.87	-22.91	2.42	1.30	0.46	34.98	18.18	5.24
1500	-31.64	-92.95	12.10	37.20	-18.88	-105.01	-22.42	-4.13	1.31	0.46	35.05	18.06	5.24
1600	-32.48	-97.96	12.04	27.87	-18.91	-111.88	-22.05	-12.02	1.32	0.45	35.34	17.99	5.31
1700	-33.93	-104.12	11.99	18.61	-18.94	-118.87	-21.75	-19.49	1.33	0.45	35.53	18.01	5.26
1800	-35.37	-110.53	11.93	9.32	-18.96	-125.82	-21.56	-27.00	1.34	0.44	34.96	17.91	5.29
1900	-36.75	-122.11	11.87	0.07	-19.00	-132.79	-21.46	-35.02	1.35	0.44	34.53	17.90	5.22
2000	-38.66	-135.50	11.82	-9.18	-19.01	-139.83	-21.48	-42.97	1.35	0.44	34.21	17.86	5.22
2100	-39.19	-148.46	11.75	-18.49	-19.08	-146.80	-21.43	-52.11	1.37	0.43	33.86	17.69	5.27
2200	-39.11	-168.17	11.69	-27.74	-19.11	-153.78	-21.61	-61.48	1.38	0.42	33.75	17.48	5.24
2300	-37.96	169.35	11.63	-36.96	-19.14	-160.78	-21.85	-71.52	1.39	0.42	33.16	17.33	5.33
2400	-36.62	154.63	11.56	-46.22	-19.18	-167.80	-21.99	-81.79	1.40	0.42	32.88	17.17	5.32
2500	-35.00	136.98	11.50	-55.41	-19.21	-174.77	-22.19	-92.70	1.41	0.41	32.57	17.08	5.34
2600	-34.32	131.14	11.42	-64.59	-19.29	178.31	-22.18	-104.09	1.43	0.40	31.97	16.90	5.30
2700	-32.68	114.70	11.37	-73.75	-19.31	171.35	-22.44	-114.89	1.44	0.40	31.90	16.81	5.34
2800	-32.19	106.55	11.29	-82.94	-19.38	164.35	-22.42	-126.20	1.46	0.39	31.50	16.70	5.31
2900	-31.12	93.68	11.23	-92.07	-19.42	157.38	-22.51	-137.28	1.47	0.39	31.60	16.55	5.35
3000	-30.50	82.36	11.16	-101.26	-19.46	150.34	-22.46	-147.56	1.48	0.39	31.25	16.42	5.37
3100	-30.63	72.33	11.07	-110.43	-19.55	143.21	-22.17	-157.45	1.51	0.38	30.68	16.20	5.33
3200	-29.35	62.78	11.02	-119.37	-19.58	136.64	-22.24	-169.30	1.52	0.37	30.62	16.14	5.43
3300	-28.87	50.92	10.95	-128.49	-19.63	129.70	-22.18	-178.70	1.53	0.37	30.53	16.12	5.43
3400	-28.67	37.82	10.88	-137.66	-19.67	122.59	-22.12	173.02	1.55	0.37	29.95	16.00	5.49
3500	-28.66	31.31	10.78	-146.61	-19.80	115.76	-21.72	163.22	1.58	0.36	29.86	15.94	5.49
3600	-27.96	19.11	10.73	-155.66	-19.83	109.01	-21.87	153.44	1.59	0.35	29.32	15.77	5.45
3700	-27.92	6.85	10.65	-164.79	-19.89	101.90	-21.80	145.37	1.61	0.35	28.94	15.59	5.51
3800	-27.48	-3.79	10.59	-173.83	-19.94	95.11	-21.89	136.21	1.63	0.34	28.65	15.47	5.55
4000	-27.57	-25.90	10.44	168.01	-20.07	81.11	-21.77	119.94	1.67	0.33	28.16	15.35	5.55