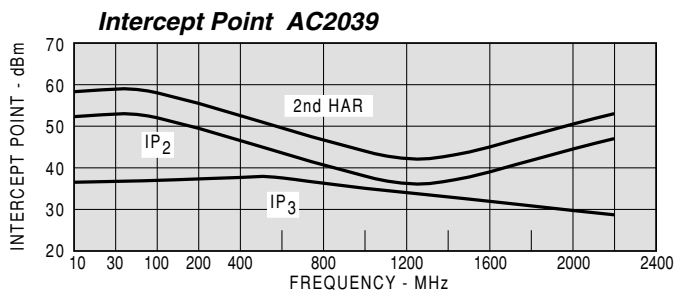
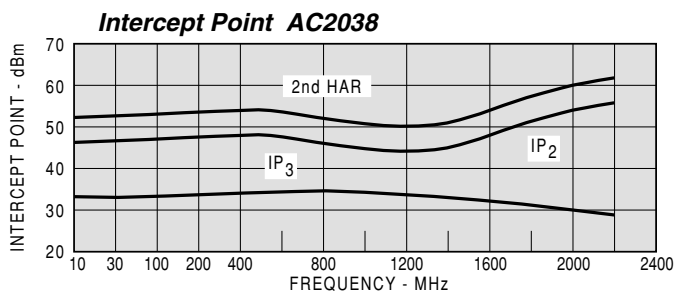
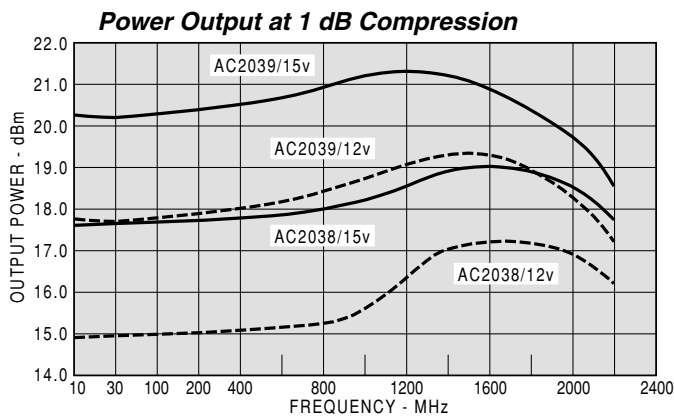
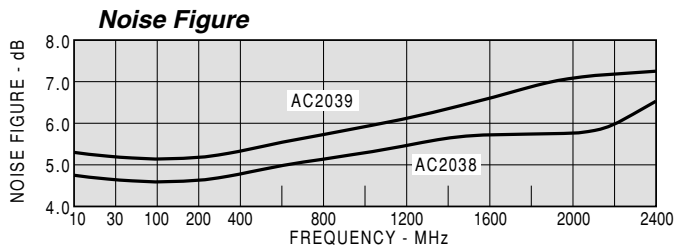
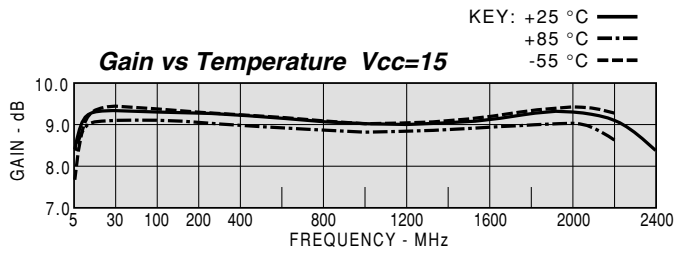


TYPICAL PERFORMANCE

TYPICAL AUTOMATIC TEST DATA



Model: AC2039			Vcc=+15V			Icc=90.92	
FREQ	SWR	SWR	GAIN	PHASE	GROUP DELAY	REV/ISO	
MHZ	IN	OUT	DB	DEG	NSEC	DB	
5	2.25	2.13	8.28	-139		-15.4	
10	1.54	1.45	9.00	-161		-14.6	
20	1.29	1.25	9.06	-173	3.4	-14.5	
50	1.21	1.22	9.01	178	0.84	-14.6	
100	1.22	1.22	9.01	170	0.44	-14.6	
200	1.24	1.21	9.03	157	0.37	-14.5	
400	1.31	1.25	8.97	132	0.34	-14.4	
600	1.39	1.30	8.92	108	0.33	-14.3	
800	1.46	1.31	8.90	84	0.34	-14.1	
1000	1.54	1.31	8.88	60	0.33	-13.9	
1200	1.56	1.29	8.97	36	0.34	-13.6	
1400	1.55	1.20	9.09	11	0.36	-13.1	
1600	1.49	1.06	9.25	-14	0.36	-12.7	
1800	1.43	1.16	9.32	-41	0.37	-12.3	
2000	1.41	1.53	9.26	-71	0.42	-11.8	
2200	1.59	2.12	8.67	-102	0.45	-11.8	

Model: AC2039			LINEAR S-PARAMETERS						Icc=90.92	
			Vcc=+15V							
FREQ	S11		S21		S12		S22		MAG	ANG
MHZ	MAG	ANG	MAG	ANG	MAG	ANG	MAG	ANG		
5	0.39	-82.6	2.59	-139.0	0.169	47.1	0.36	166.7		
10	0.21	-107.8	2.82	-161.0	0.186	22.7	0.18	145.7		
20	0.13	-131.5	2.84	-173.2	0.187	9.8	0.11	152.6		
50	0.10	-150.5	2.82	-177.7	0.186	1.6	0.10	159.4		
100	0.10	-155.9	2.82	-169.9	0.187	-3.2	0.10	151.5		
200	0.11	-154.5	2.83	-156.7	0.187	-9.8	0.10	133.1		
400	0.13	-151.1	2.81	-131.9	0.190	-21.7	0.11	101.8		
600	0.16	-152.0	2.79	-107.9	0.193	-33.2	0.13	77.5		
800	0.19	-154.5	2.79	-83.8	0.197	-45.3	0.13	55.7		
1000	0.21	-159.1	2.78	-59.9	0.202	-57.3	0.14	32.6		
1200	0.22	-168.2	2.81	-35.9	0.209	-70.2	0.13	13.4		
1400	0.21	-177.3	2.85	-11.0	0.221	-83.2	0.09	-0.2		
1600	0.20	-157.5	2.90	-14.5	0.231	-98.1	0.03	11.4		
1800	0.18	-124.6	2.92	-41.4	0.244	-114.5	0.08	104.4		
2000	0.17	-75.3	2.90	-71.1	0.256	-132.8	0.21	89.6		
2200	0.23	-27.9	2.71	-101.8	0.257	-152.2	0.36	68.7		

Model: AC2038			Vcc=+15V			Icc=65.41	
FREQ	SWR	SWR	GAIN	PHASE	GROUP DELAY	REV/ISO	
MHZ	IN	OUT	DB	DEG	NSEC	DB	
5	2.27	2.13	8.42	-135		-15.5	
10	1.48	1.39	9.28	-159		-14.7	
20	1.21	1.15	9.39	-172	3.7	-14.6	
50	1.10	1.08	9.31	178	0.91	-14.7	
100	1.10	1.07	9.30	170	0.45	-14.6	
200	1.14	1.08	9.30	157	0.37	-14.6	
400	1.24	1.12	9.23	132	0.34	-14.5	
600	1.35	1.16	9.16	108	0.33	-14.3	
800	1.47	1.19	9.08	84	0.33	-14.1	
1000	1.59	1.24	9.03	61	0.32	-13.9	
1200	1.67	1.28	9.02	37	0.33	-13.7	
1400	1.70	1.26	9.06	13	0.34	-13.2	
1600	1.69	1.20	9.16	-12	0.35	-12.8	
1800	1.65	1.10	9.29	-38	0.37	-12.3	
2000	1.59	1.16	9.35	-66	0.40	-11.6	
2200	1.69	1.54	9.06	-97	0.44	-11.3	

Model: AC2038			LINEAR S-PARAMETERS						Icc=65.41	
			Vcc=+15V							
FREQ	S11		S21		S12		S22		MAG	ANG
MHZ	MAG	ANG	MAG	ANG	MAG	ANG	MAG	ANG		
5	0.39	-70.7	2.64	-134.9	0.168	48.9	0.36	160.6		
10	0.19	-86.4	2.91	-158.9	0.185	23.2	0.16	124.6		
20	0.09	-96.5	2.95	-172.1	0.186	9.8	0.07	113.5		
50	0.05	-100.0	2.92	-178.0	0.185	1.8	0.04	123.5		
100	0.05	-104.1	2.92	-169.9	0.185	-3.2	0.04	113.1		
200	0.06	-108.6	2.92	-156.7	0.187	-9.8	0.04	86.0		
400	0.11	-115.9	2.89	-132.1	0.188	-21.7	0.06	55.6		
600	0.15	-124.1	2.87	-108.1	0.192	-33.1	0.07	34.1		
800	0.19	-130.8	2.84	-84.4	0.196	-45.1	0.09	8.5		
1000	0.23	-138.5	2.83	-60.7	0.202	-57.3	0.11	-15.5		
1200	0.25	-149.2	2.82	-36.9	0.207	-70.0	0.12	-35.0		
1400	0.26	-163.3	2.84	-12.7	0.218	-82.7	0.11	-55.7		
1600	0.26	-179.5	2.87	-12.1	0.228	-97.1	0.09	-83.1		
1800	0.25	-152.2	2.91	-38.2	0.244	-113.4	0.05	-129.4		
2000	0.23	-112.8	2.94	-66.2	0.263	-131.2	0.08	100.1		
2200	0.26	-63.1	2.84	-96.7	0.271	-151.6	0.21	61.3		