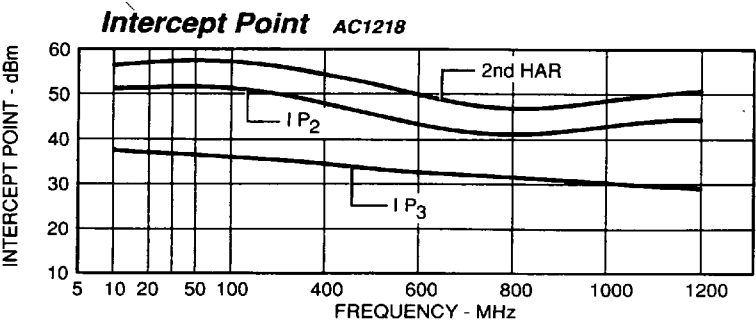
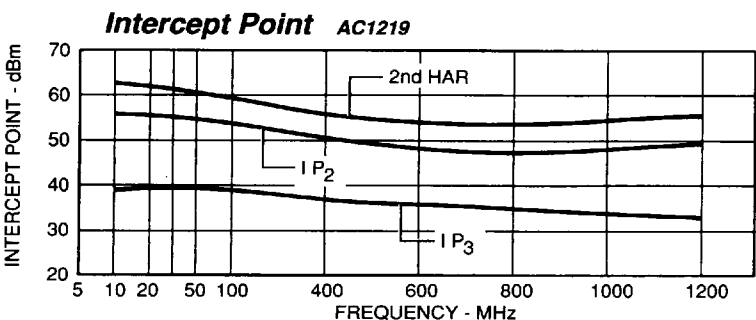
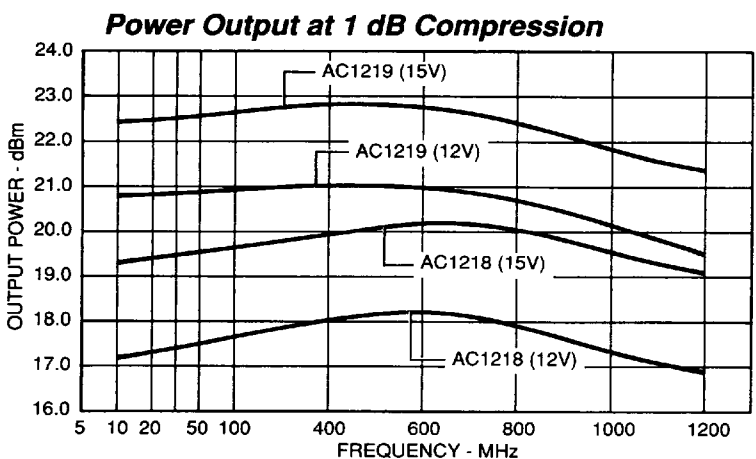
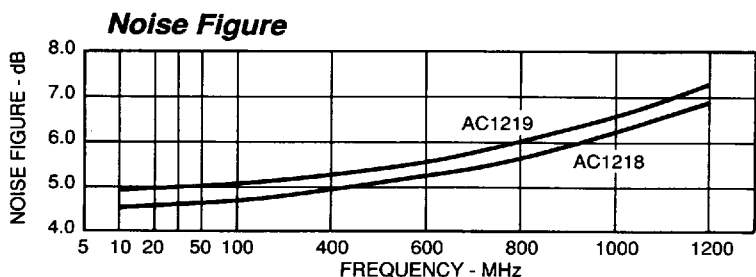
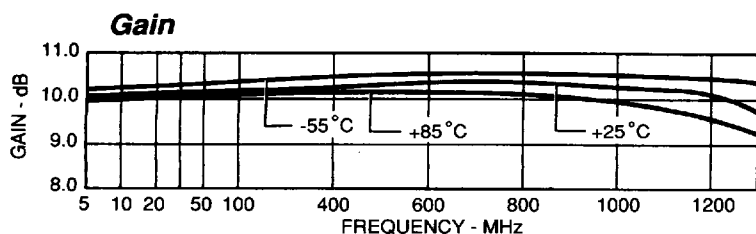


AC1218 / AC1219

Typical Performance at 25 °C

T-74-09-01
B-74-13-51

Typical Automatic Test Data



MODEL:AC1219			Vcc=+15V Icc= 91.02 mA		
FREQUENCY	VSWR	VSWR	GAIN	GROUP DELAY	REV/ISO
MHZ	IN	OUT	DB	NSEC	DB
5.0	1.25	1.33	10.1		-15.8
10.0	1.13	1.17	10.1	2.758	-15.6
20.0	1.07	1.10	10.1	.948	-15.6
50.0	1.02	1.05	10.2	.501	-15.5
100.0	1.01	1.05	10.1	.385	-15.6
200.0	1.02	1.07	10.0	.381	-15.6
400.0	1.05	1.09	10.1	.370	-15.6
600.0	1.08	1.12	10.1	.377	-15.5
800.0	1.15	1.18	10.1	.390	-15.4
1000.0	1.28	1.22	10.0	.397	-15.3
1200.0	1.48	1.27	9.8	.419	-15.3
1400.0	1.88	1.30	9.4	.446	-15.4

LINEAR S-PARAMETERS

MODEL:AC1219				Vcc=+15V Icc= 91.02 mA				
FREQ.	S11		S21		S12		S22	
MHZ	MAG	ANG	MAG	ANG	MAG	ANG	MAG	ANG
5	.11	-81.7	3.20	-171.9	.163	9	.14	116.0
10	.06	-80.6	3.19	-176.9	.165	4	.08	121.6
20	.03	-83.2	3.21	-179.6	.166	1	.05	130.1
50	.01	-90.4	3.22	-172.5	.168	-3	.03	160.0
100	.01	-92.2	3.20	-166.8	.167	-6	.03	-178.9
200	.01	-89.7	3.18	-153.1	.166	-13	.04	-165.3
400	.02	-140.2	3.19	-126.5	.166	-25	.04	-153.8
600	.04	-174.1	3.20	-99.4	.169	-38	.06	-150.4
800	.07	-159.9	3.20	-71.5	.170	-52	.08	-158.9
1000	.12	-137.0	3.17	-42.9	.171	-66	.10	-166.5
1200	.19	-106.4	3.10	-12.5	.171	-81	.12	-176.9
1400	.31	-71.4	2.96	-19.2	.169	-97	.13	-172.5
1600	.44	-33.2	2.62	-51.7	.168	-114	.14	-165.7

MODEL:AC1219			Vcc=+12V Icc= 72.68 mA		
FREQUENCY	VSWR	VSWR	GAIN	GROUP DELAY	REV/ISO
MHZ	IN	OUT	DB	NSEC	DB
5.0	1.25	1.32	10.0		-15.8
10.0	1.13	1.17	10.0	2.669	-15.6
20.0	1.07	1.10	10.1	.972	-15.6
50.0	1.03	1.05	10.1	.499	-15.5
100.0	1.02	1.05	10.1	.402	-15.5
200.0	1.03	1.08	10.0	.392	-15.6
400.0	1.07	1.12	10.0	.374	-15.5
600.0	1.13	1.17	10.0	.387	-15.4
800.0	1.21	1.24	9.9	.394	-15.2
1000.0	1.35	1.28	9.8	.405	-15.1
1200.0	1.58	1.31	9.5	.423	-15.0
1400.0	2.00	1.31	9.0	.443	-14.9

MODEL:AC1218			Vcc=+15V Icc= 64.65 mA		
FREQUENCY	VSWR	VSWR	GAIN	GROUP DELAY	REV/ISO
MHZ	IN	OUT	DB	NSEC	DB
5.0	1.21	1.26	9.8		-15.9
10.0	1.11	1.16	9.9	3.310	-15.8
20.0	1.07	1.10	10.0	1.109	-15.7
50.0	1.03	1.05	10.0	.544	-15.7
100.0	1.03	1.04	10.0	.411	-15.7
200.0	1.05	1.04	9.9	.392	-15.7
400.0	1.10	1.03	10.0	.375	-15.7
600.0	1.13	1.08	10.0	.382	-15.7
800.0	1.18	1.18	10.0	.392	-15.7
1000.0	1.27	1.28	10.0	.397	-15.8
1200.0	1.39	1.40	10.0	.424	-15.9
1400.0	1.63	1.50	10.0	.457	-16.1

Notes:

1. The AC1218 draws ~ 51 mA and has ~ 0.1 dB less gain at 12V.
2. The S-parameters for the AC1218 are very similar to the 1219 above.



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