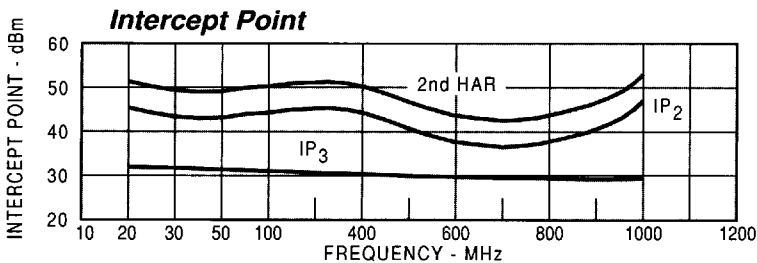
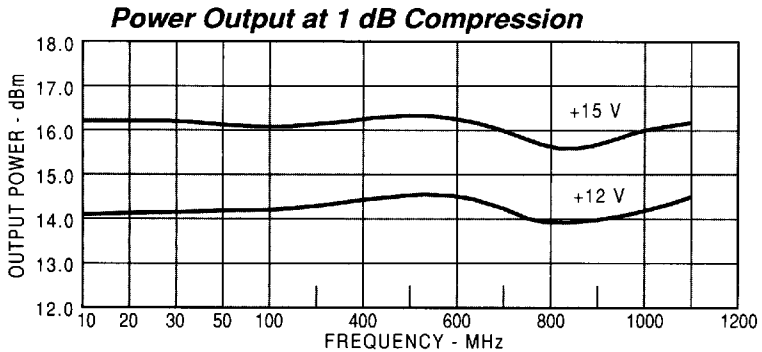
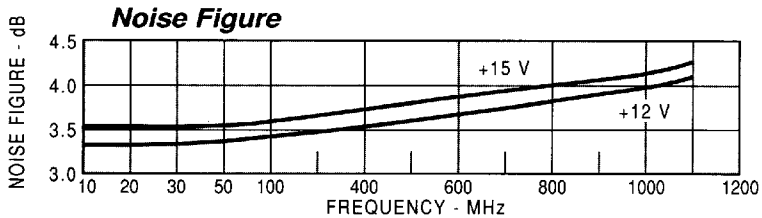
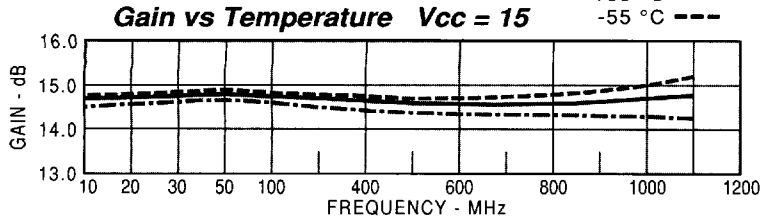


AC1018

Typical Performance

KEY: +25 °C —
+85 °C - - -
-55 °C - - -



Typical Automatic Test Data

MODEL:AC1018

Vcc=15V Icc= 44.80 mA

FREQUENCY MHZ	VSWR IN	VSWR OUT	GAIN DB	GROUP DELAY NSEC	REV/ISO DB
10.0	1.12	1.14	14.9		-19.1
20.0	1.07	1.08	15.0		-19.0
50.0	1.03	1.05	15.0	.675	-18.9
100.0	1.03	1.04	14.9	.503	-19.0
200.0	1.06	1.03	14.9	.462	-19.0
300.0	1.09	1.03	14.8	.461	-18.9
400.0	1.11	1.03	14.8	.458	-18.8
500.0	1.13	1.04	14.8	.467	-18.5
600.0	1.13	1.05	14.7	.474	-18.4
700.0	1.14	1.07	14.7	.476	-18.0
800.0	1.12	1.10	14.7	.491	-17.9
900.0	1.12	1.15	14.8	.525	-17.6
1000.0	1.08	1.24	14.8	.542	-17.3
1100.0	1.16	1.43	14.9	.596	-16.9

LINEAR S-PARAMETERS

MODEL:AC1018

Vcc=15V Icc= 44.80 mA

FREQ. MHZ	S11 MAG ANG	S21 MAG ANG	S12 MAG ANG	S22 MAG ANG
10	.05 -76.6	5.54 -176.3	.111 5	.07 118.4
20	.03 -84.3	5.61 179.9	.112 2	.04 118.7
50	.02 -85.1	5.64 172.4	.113 -3	.02 117.9
100	.01 -80.2	5.58 163.5	.112 -7	.02 125.9
200	.03 -92.6	5.55 146.7	.112 -15	.02 108.2
300	.04 -91.2	5.49 130.1	.113 -23	.01 65.5
400	.05 -94.7	5.50 113.8	.115 -30	.01 -9.7
500	.06 -101.4	5.47 96.9	.119 -40	.02 -56.6
600	.06 -109.2	5.46 79.9	.120 -48	.02 -105.3
700	.06 -122.4	5.46 62.8	.126 -57	.04 -137.5
800	.06 -146.0	5.46 44.9	.128 -67	.05 176.3
900	.06 -173.9	5.49 26.3	.132 -78	.07 139.9
1000	.04 131.4	5.52 7.0	.137 -91	.11 99.1
1100	.07 45.1	5.53 -14.9	.143 -105	.18 64.3
1200	.19 -1.0	5.51 -39.1	.148 -121	.26 30.7
1300	.39 -30.6	5.14 -66.8	.144 -141	.38 -5.8

MODEL:AC1018

Vcc=12V Icc= 35.63 mA

FREQUENCY MHZ	VSWR IN	VSWR OUT	GAIN DB	GROUP DELAY NSEC	REV/ISO DB
10.0	1.12	1.13	14.8		-19.1
20.0	1.07	1.07	14.9		-19.0
50.0	1.04	1.04	14.9	.664	-19.0
100.0	1.03	1.02	14.8	.514	-19.0
200.0	1.07	1.01	14.8	.467	-18.9
300.0	1.11	1.01	14.7	.466	-18.8
400.0	1.14	1.03	14.7	.458	-18.7
500.0	1.15	1.05	14.7	.468	-18.4
600.0	1.15	1.08	14.6	.476	-18.2
700.0	1.15	1.11	14.7	.483	-17.9
800.0	1.13	1.16	14.6	.500	-17.7
900.0	1.13	1.24	14.7	.535	-17.3
1000.0	1.12	1.35	14.8	.546	-16.9
1100.0	1.23	1.57	14.8	.621	-16.6

LINEAR S-PARAMETERS

MODEL:AC1018

Vcc=12V Icc= 35.63 mA

FREQ. MHZ	S11 MAG ANG	S21 MAG ANG	S12 MAG ANG	S22 MAG ANG
10	.06 -70.5	5.50 -176.4	.111 5	.06 111.7
20	.03 -76.7	5.54 179.7	.112 1	.04 104.2
50	.02 -72.6	5.57 172.3	.113 -3	.02 97.2
100	.02 -83.9	5.51 163.3	.113 -7	.01 101.5
200	.03 -89.5	5.48 146.4	.113 -15	.01 89.2
300	.05 -92.8	5.43 129.8	.115 -22	.01 15.4
400	.07 -102.1	5.43 113.3	.116 -30	.01 -70.4
500	.07 -109.4	5.40 96.5	.120 -38	.02 -100.8
600	.07 -120.7	5.39 79.1	.122 -47	.04 -135.6
700	.07 -135.5	5.41 61.8	.127 -56	.05 -162.9
800	.06 -164.1	5.39 43.8	.131 -67	.08 163.9
900	.06 167.2	5.45 24.8	.136 -78	.11 135.1
1000	.06 109.3	5.48 5.0	.142 -91	.15 100.8
1100	.10 40.9	5.53 -17.3	.148 -105	.22 68.7
1200	.22 -1.3	5.42 -42.2	.153 -121	.31 34.8
1300	.42 -32.2	4.98 -70.4	.148 -141	.41 -2.5



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