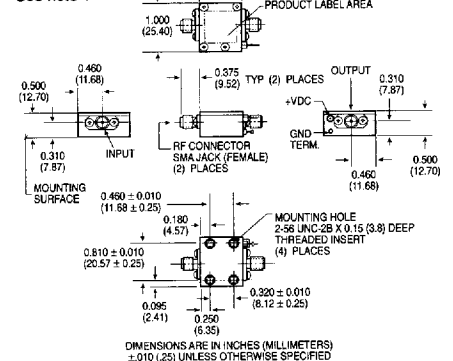
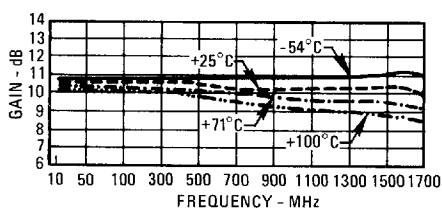


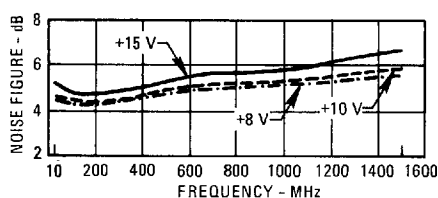


Typical Performance at 25°C

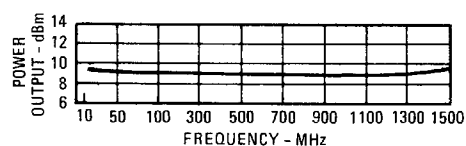
Gain



Noise Figure

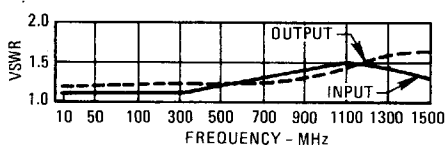


Power Output*



* at 1 dB Gain Compression

VSWR



Typical Automatic Test Data

V_{CC} = 15.0 V

Frequency MHz	VSWR IN	VSWR OUT	GAIN DB
1.0	1.3	1.6	10.8
2.0	1.1	1.4	11.0
5.0	1.1	1.3	11.1
10.0	1.1	1.3	11.0
50.0	1.1	1.3	10.9
100.0	1.1	1.3	10.8
200.0	1.1	1.3	10.7
300.0	1.1	1.2	10.6
400.0	1.2	1.1	10.7
500.0	1.3	1.1	10.7
600.0	1.3	1.0	10.7
700.0	1.4	1.0	10.7
800.0	1.5	1.1	10.7
900.0	1.5	1.1	10.7
1000.0	1.5	1.2	10.8
1100.0	1.5	1.2	10.8
1200.0	1.4	1.3	11.0
1300.0	1.3	1.3	11.2
1400.0	1.2	1.4	11.3
1500.0	1.4	1.4	11.4
1600.0	1.7	1.6	11.1
1700.0	2.4	1.7	10.6

Linear S-Parameters

Frequency MHz	S11		S21		S12		S22	
	MAG	ANG	MAG	ANG	MAG	ANG	MAG	ANG
1.0	.117	-128	3.472	-157	.141	21	.218	-143
2.0	.068	-149	3.566	-169	.139	9	.161	-161
5.0	.048	-159	3.576	-177	.137	4	.141	-173
10.0	.047	-166	3.553	-180	.138	2	.140	-178
50.0	.046	-177	3.510	173	.139	-2	.137	168
100.0	.038	178	3.482	165	.140	-5	.130	156
200.0	.045	-149	3.445	151	.140	-10	.114	134
300.0	.068	-143	3.399	137	.141	-15	.092	116
400.0	.095	-147	3.436	123	.143	-21	.066	103
500.0	.132	-158	3.445	109	.143	-27	.046	90
600.0	.148	-172	3.441	94	.143	-33	.023	62
700.0	.160	178	3.426	80	.142	-39	.009	-60
800.0	.186	162	3.426	65	.144	-45	.033	-126
900.0	.203	148	3.425	52	.146	-51	.055	-153
1000.0	.203	130	3.458	37	.147	-58	.079	-179
1100.0	.195	111	3.485	22	.148	-65	.101	159
1200.0	.175	87	3.539	7	.151	-72	.114	133
1300.0	.134	55	3.613	-9	.154	-80	.129	99
1400.0	.093	-1	3.660	-28	.159	-89	.152	64
1500.0	.158	-74	3.707	-47	.166	-101	.184	24
1600.0	.261	-123	3.581	-70	.168	-116	.229	-15
1700.0	.420	-158	3.392	-92	.162	-134	.272	-64

Thermal Data: V_{CC} = 15 Vdc

Thermal Resistance θ_{jc} 45°C/W
 Transistor Power Dissipation P_d 0.183 W
 Junction Temperature Rise Above Case T_{jc} ... 8°C