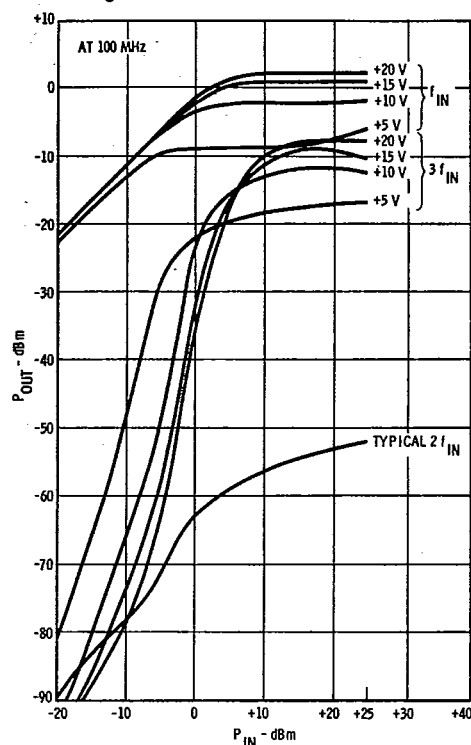
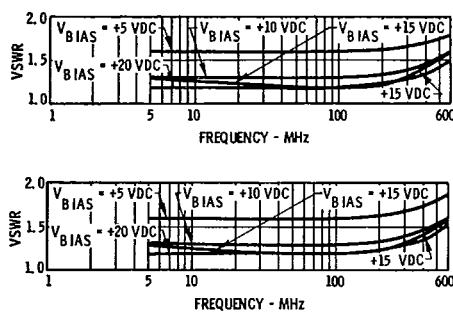
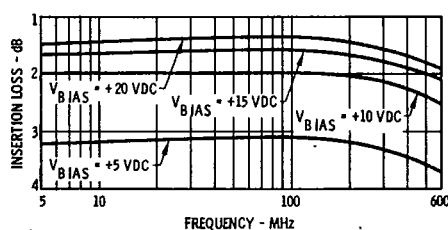
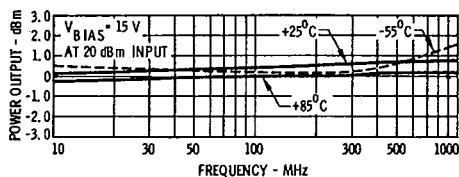
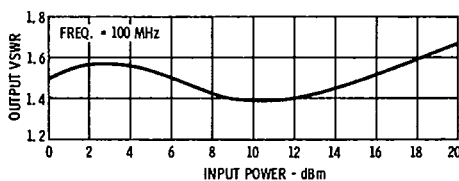
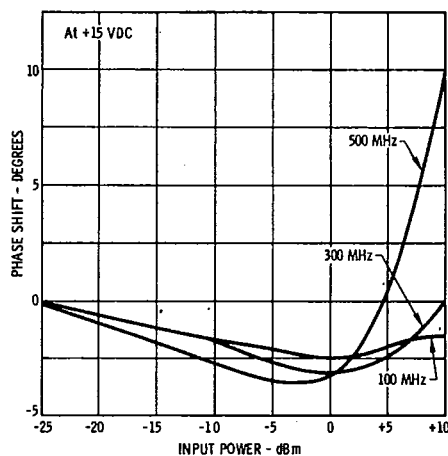
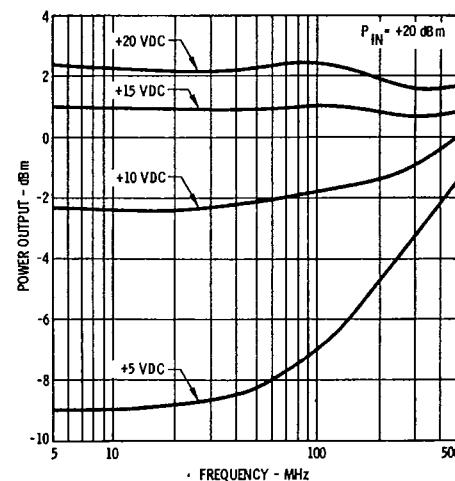
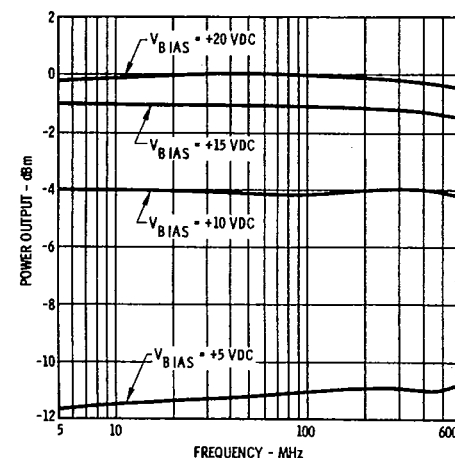


Typical Performance at 25°C**Limiting Characteristics****Input VSWR****Insertion Loss****Output VSWR****Phase Shift****Maximum Limiting Level****Absolute Maximum Ratings****Ambient Operating**

Temperature -54°C to +100°C

Storage

Temperature -62°C to +125°C

Maximum DC

Voltage +25 Vdc

Maximum Continuous

RF Input Power 200 Milliwatts

Maximum Short TermRF Input Power
(1 Minute Max.) 400 Milliwatts**Maximum**Peak Power 1 Watt
(3 μ sec Max.)**"S" Series Burn-In**

Temperature 125°C

Maximum

Case Temperature 125°C

Typical Automatic Test Data $V_{CC} = 15V$

FREQ MHz	VSWR IN	VSWR OUT	LOSS dB
100.	1.2	1.2	1.7
200.	1.3	1.3	1.8
300.	1.3	1.4	1.9
400.	1.4	1.5	2.1
500.	1.5	1.6	2.3
600.	1.6	1.7	2.5
700.	1.7	1.8	2.7

Linear S-Parameters

FREQ MHz	MAG S11	ANG S11	MAG S21	ANG S21	MAG S12	ANG S12	MAG S22	ANG S22
100.	.10	-39.5	.82	-16.0	.82	-15.9	.10	-40.8
200.	.12	-74.4	.81	-32.0	.81	-32.0	.12	-75.0
300.	.15	-104.8	.80	-47.7	.80	-47.6	.15	-103.5
400.	.18	-130.9	.78	-63.0	.79	-63.1	.19	-127.7
500.	.21	-152.9	.76	-78.9	.77	-78.9	.22	-149.3
600.	.24	-175.3	.75	-94.7	.75	-95.0	.26	-169.9
700.	.27	-164.9	.73	-109.7	.73	-110.3	.28	-171.8

Deviation from Linear Phase, Gain and Group Delay

FREQ MHz	DEV LIN PHASE DEG	REL GAIN DB	GAIN DEV DB	ABS GAIN DB	GROUP DELAY N-SEC
100.	.18	.00	.30	-1.74	.45
200.	.17	-16.04	.21	-1.82	.44
300.	.19	-31.74	.10	-1.94	.43
400.	.18	-47.06	.09	-2.12	.43
500.	.00	-62.93	.30	-2.33	.44