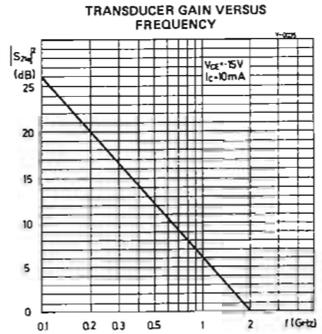
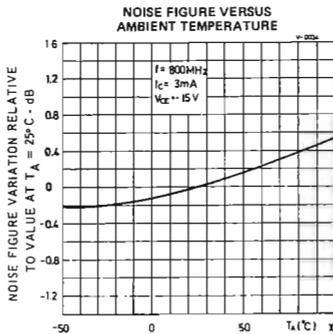
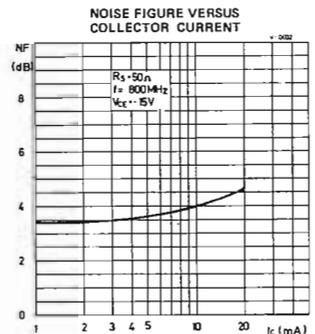
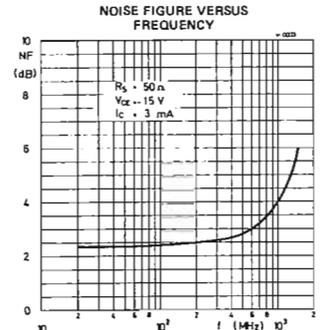
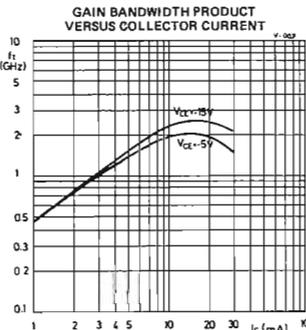
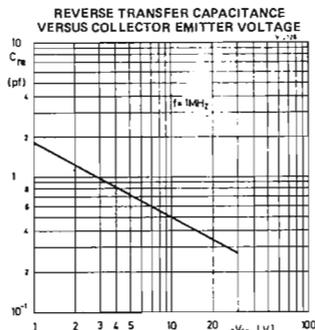
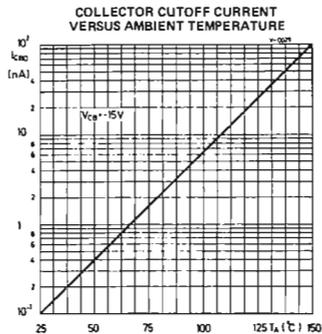
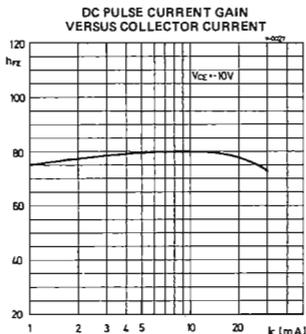
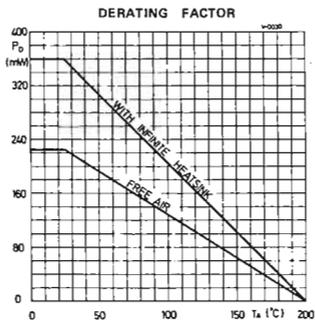
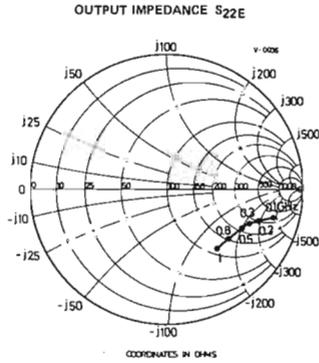
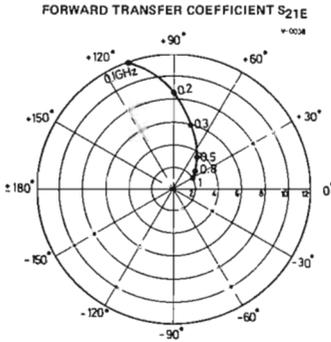
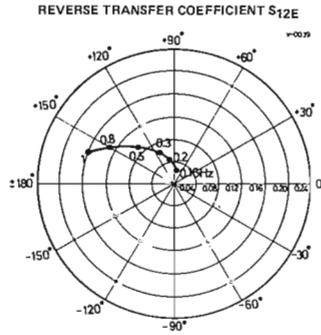
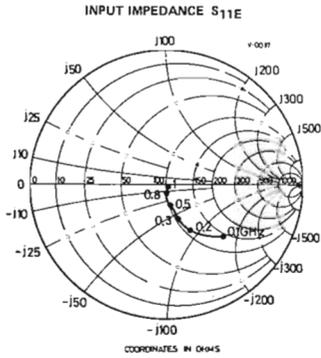


TYPICAL ELECTRICAL CHARACTERISTICS (25°C free air temperature unless otherwise noted)

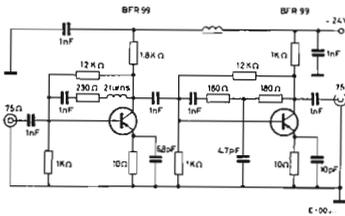


TYPICAL COMMON EMITTER S - PARAMETERS
 ($V_{CE} = -15V$; $I_C = 10mA$; $T_A = 25^\circ C$)



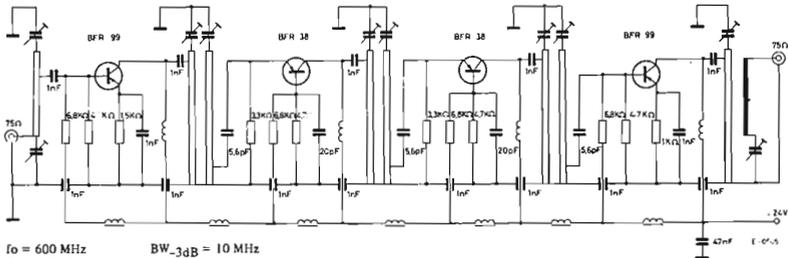
TYPICAL APPLICATIONS :

FIG. 1 - WIDE BAND MATV AMPLIFIER



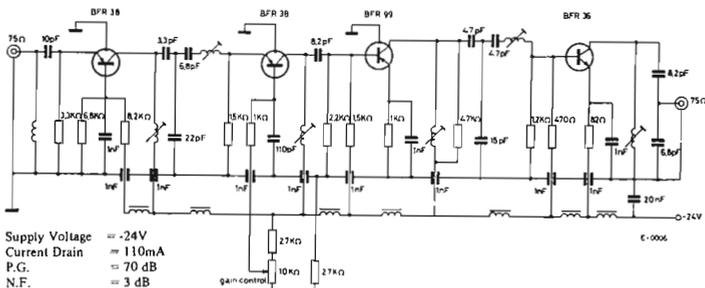
$BW = 40 + 860 \text{ MHz}$ $V.S.W.R._{IN} < 2$
 $G_T = 16 \text{ dB}$ $V.S.W.R._{OUT} \approx 2$
 $NF < 5 \text{ dB}$ $V_{OUT} = 100 \text{ mV}$ for 1% Crossmodulation

FIG. 2 - MATV CHANNEL AMPLIFIER



$f_0 = 600 \text{ MHz}$ $BW_{-3dB} = 10 \text{ MHz}$
 $G_T = 40 \text{ dB}$ $N.F. = 4 \text{ dB}$
 $V.S.W.R._{IN} < 1.5$ $P_{OUT} = 15 \text{ mW} @ \text{dim} = -30 \text{ dB}$
 $V.S.W.R._{OUT} < 1.5$

FIG. 3 - 200 MHz MATV CHANNEL AMPLIFIER



Supply Voltage = -24V
 Current Drain = 110mA
 P.G. = 70 dB
 N.F. = 3 dB
 $V.S.W.R._{IN} < 1.5$
 $V.S.W.R._{OUT} < 2$
 $P_{OUT} = 120 \text{ mW}$ at dim -30 dB
 Gain Control > 30 dB