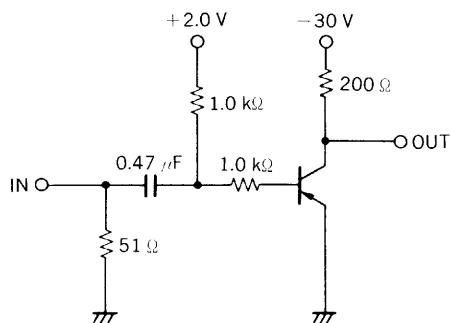
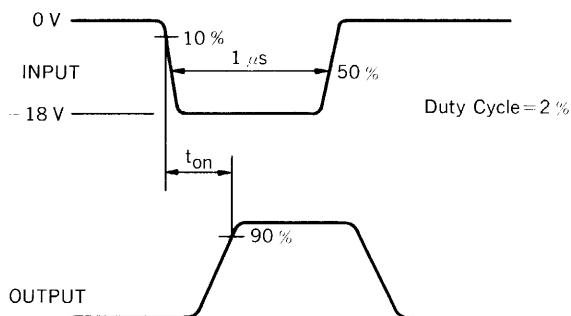


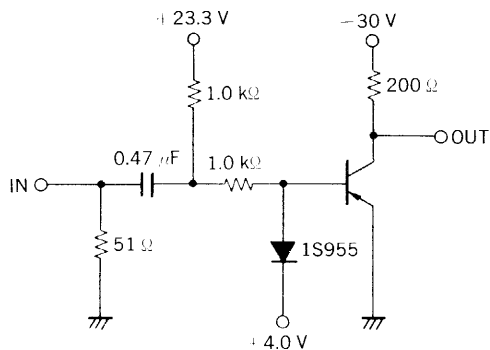
SWITCHING TIME TEST CIRCUIT



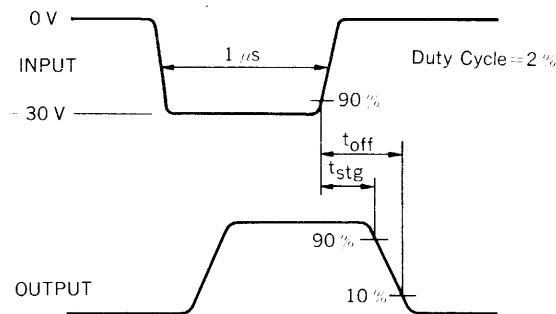
t_{on} SWITCHING



VOLTAGE WAVEFORMS

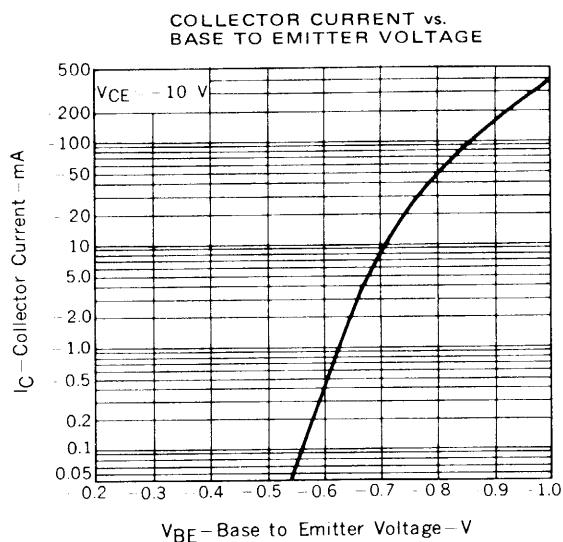
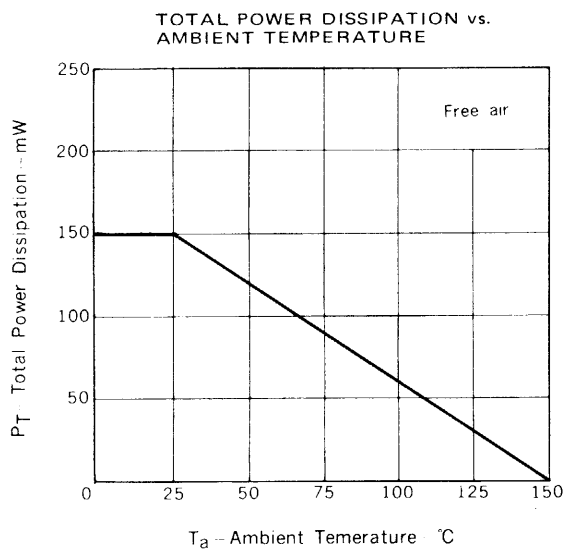


t_{stg} , t_{off} SWITCHING

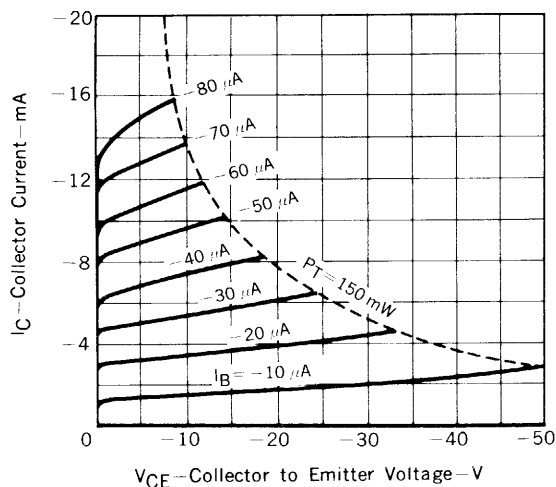


VOLTAGE WAVEFORMS

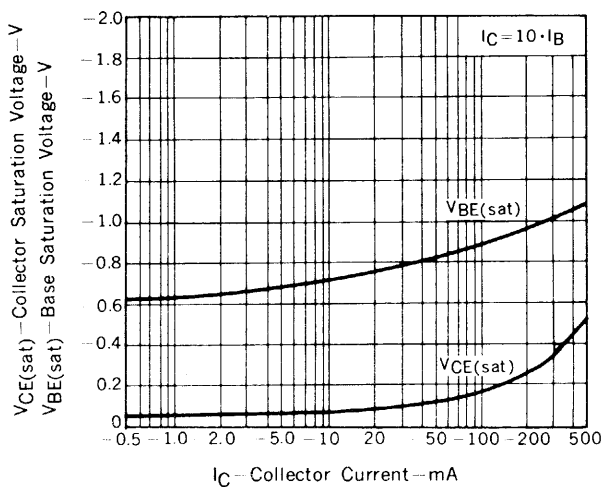
TYPICAL CHARACTERISTICS ($T_a = 25^\circ\text{C}$)



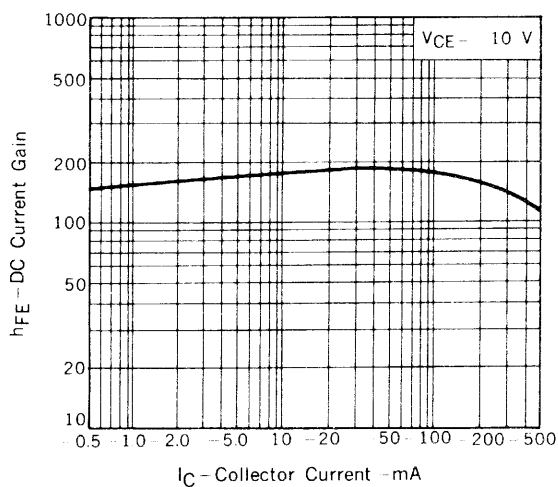
COLLECTOR CURRENT vs.
COLLECTOR TO EMITTER VOLTAGE



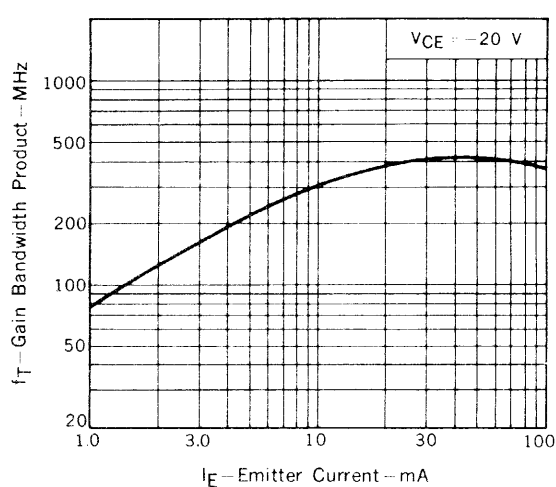
BASE AND COLLECTOR SATURATION
VOLTAGE vs. COLLECTOR CURRENT



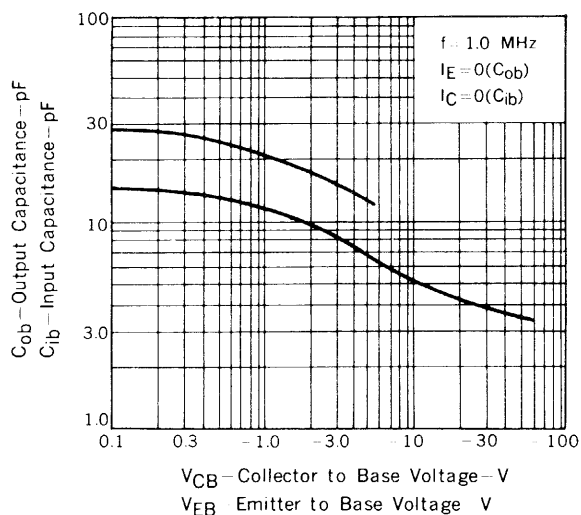
DC CURRENT GAIN vs.
COLLECTOR CURRENT



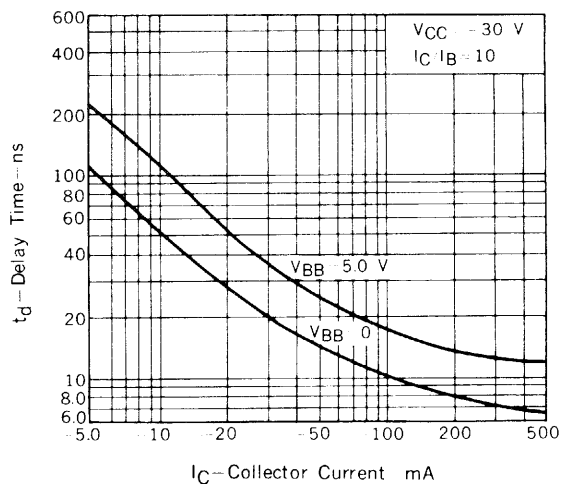
GAIN BANDWIDTH PRODUCT vs.
EMITTER CURRENT

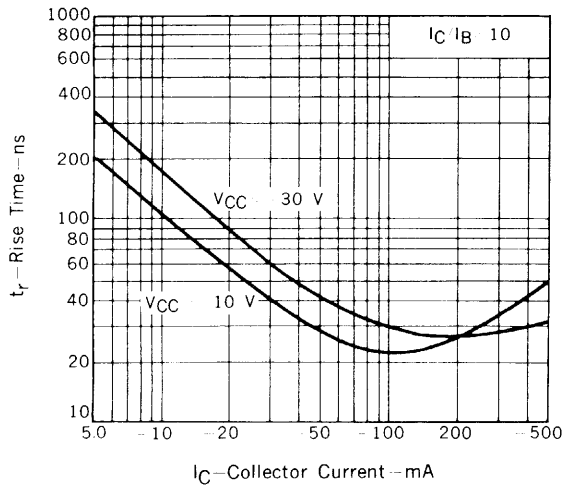
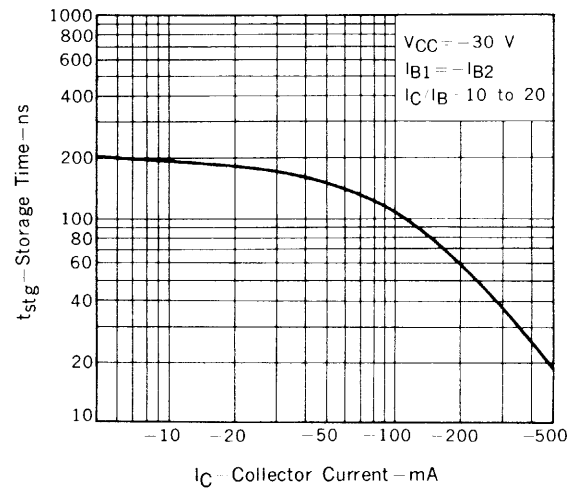


INPUT AND OUTPUT CAPACITANCE vs.
REVERSE VOLTAGE



DELAY TIME vs.
COLLECTOR CURRENT



RISE TIME vs.
COLLECTOR CURRENTSTORAGE TIME vs.
COLLECTOR CURRENTFALL TIME vs.
COLLECTOR CURRENT