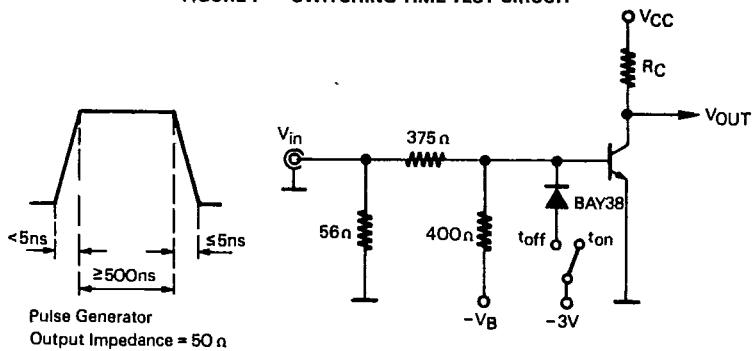


T-35-19

ELECTRICAL CHARACTERISTICS (continued) ($T_A = 25^\circ\text{C}$ unless otherwise noted.)

Characteristic	Symbol	Min	Max	Unit
Output Capacitance ($V_{CB} = 10 \text{ V}$, $I_E = 0$, $f = 1.0 \text{ MHz}$)	C_{OB}		10	pF
Turn On Time (See Figure 1) ($I_C = 500 \text{ mA}$, $I_B = 50 \text{ mA}$, $-V_{BE} = 2.0 \text{ V}$) ($V_{CC} = 50 \text{ V}$) ($V_{CC} = 30 \text{ V}$)	t_{on}		35 40	ns
Turn Off Time (See Figure 1) ($I_C = 500 \text{ mA}$, $I_B1 = I_B2 = 50 \text{ mA}$) ($V_{CC} = 50 \text{ V}$) ($V_{CC} = 30 \text{ V}$)	t_{off}		60 70	ns

FIGURE 1 — SWITCHING TIME TEST CIRCUIT



Measure- ment	V _{CC} RC	BSX59		V Ω
		BSX61	BSX60	
t_{on}	$-V_B$ V_{in}	4.0 24.75	V V	
t_{off}	$-V_B$ V_{in}	16.7 37.5	V V	

