

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

Characteristic	Symbol	Min	Max	Unit
SMALL SIGNAL CHARACTERISTICS				
Current Gain Bandwidth Product ($I_C = 50\text{ mA}$, $V_{CE} = 10\text{ V}$, $f = 20\text{ MHz}$)	f_T	50		MHz
Output Capacitance ($V_{CB} = 10\text{ V}$, $I_E = 0$, $f = 1\text{ MHz}$)	C_{ob}		25	pF
Small Signal Current Gain ($I_C = 1\text{ mA}$, $V_{CE} = 5\text{ V}$, $f = 1\text{ MHz}$)	h_{fe}	20		
Turn On Time (Fig. 1) ($I_C = 100\text{ mA}$, $I_{B1} = I_{B2} = 5\text{ mA}$)	t_{on}		500	ns
Storage Time (Fig. 1) ($I_C = 100\text{ mA}$, $I_{B1} = I_{B2} = 5\text{ mA}$)	t_s		500	ns
Fall Time (Fig. 1) ($I_C = 100\text{ mA}$, $I_{B1} = I_{B2} = 5\text{ mA}$)	t_f		150	ns

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FIGURE 1 — SWITCHING TIME CIRCUIT

