

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC		SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current		I_{CBO}	$V_{CB} = 520V, I_E = 0$	—	—	20	μA
Emitter Cut-off Current		I_{EBO}	$V_{EB} = 7V, I_C = 0$	—	—	10	μA
Collector-Base Breakdown Voltage		$V_{(BR) CBO}$	$I_C = 1mA, I_E = 0$	650	—	—	V
Collector-Emitter Breakdown Voltage		$V_{(BR) CEO}$	$I_E = 10mA, I_C = 0$	450	—	—	V
DC Current Gain		$h_{FE} (1)$	$V_{CE} = 5V, I_C = 1mA$	13	—	—	—
		$h_{FE} (2)$	$V_{CE} = 5V, I_C = 0.2A$	20	—	65	
Collector-Emitter Saturation Voltage		$V_{CE} (sat)$	$I_C = 0.8A, I_B = 0.1A$	—	—	1.0	V
Base-Emitter Saturation Voltage		$V_{BE} (sat)$	$I_C = 0.8A, I_B = 0.1A$	—	—	1.3	V
Switching Time	Rise Time	t_r	<p> $20\mu s$ $V_{CC} = 200V$ I_{B1} I_C 250Ω I_{B2} INPUT OUTPUT I_{B2} </p>	—	—	0.5	μs
	Storage Time	t_{stg}		—	—	2.0	
	Fall Time	t_f		$I_{B1} = 0.1A, I_{B2} = -0.2A$ DUTY CYCLE $\leq 1\%$	—	—	



