

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC		SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current		ICBO	V _{CB} = 100V, I _E = 0	—	—	10	μA
Emitter Cut-off Current		IEBO	V _{EB} = 8V, I _C = 0	0.8	—	4.0	mA
Collector-Emitter Breakdown Voltage		V _(BR) CEO	I _C = 10mA, I _B = 0	100	—	—	V
DC Current Gain		h _{FE} (1)	V _{CE} = 2V, I _C = 1A	2000	—	—	
		h _{FE} (2)	V _{CE} = 2V, I _C = 2A	2000	—	—	
Collector-Emitter Saturation Voltage		V _{CE} (sat)	I _C = 1.5A, I _B = 1.5mA	—	—	1.5	V
Base-Emitter Saturation Voltage		V _{BE} (sat)	I _C = 1.5A, I _B = 1.5mA	—	—	2.0	V
Emitter-Collector Forward Voltage		V _{ECF}	I _E = 1A, I _B = 0	—	—	2.0	V
Switching Time	Turn-on Time	t _{on}	<p> $I_{B1} = -I_{B2} = 1.5\text{mA}$, DUTY CYCLE $\leq 1\%$ $V_{CC} = 30\text{V}$ </p>	—	0.5	—	μs
	Storage Time	t _{stg}		—	2.0	—	
	Fall Time	t _f		—	0.5	—	

