

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC		SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current		ICBO	V _{CB} = 500V, I _E = 0	—	—	100	μA
Emitter Cut-off Current		IEBO	V _{EB} = 7V, I _C = 0	—	—	1	mA
Collector-Base Breakdown Voltage		V _{(BR)CBO}	I _C = 1mA, I _B = 0	600	—	—	V
Collector-Emitter Breakdown Voltage		V _{(BR)CEO}	I _C = 10mA, I _B = 0	400	—	—	V
DC Current Gain		h _{FE}	V _{CE} = 5V, I _C = 0.1A	20	—	—	
			V _{CE} = 5V, I _C = 1A	8	—	—	
Collector-Emitter Saturation Voltage		V _{CE(sat)}	I _C = 1A, I _B = 0.2A	—	—	1.0	V
Base-Emitter Saturation Voltage		V _{BE(sat)}	I _C = 1A, I _B = 0.2A	—	—	1.5	V
Switching Time	Rise Time	t _r	<p>20 μs INPUT — IB₂ IB₁ — OUTPUT — 250 Ω V_{CC} = 200 V IB₁ = -IB₂ = 0.08A DUTY CYCLE ≤ 1%</p>	—	—	1.0	μs
	Storage Time	t _{stg}		—	—	2.5	
	Fall Time	t _f		—	—	1.0	

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