

Electical Characteristics (at Ta = 25°C unless otherwise specified)

	Symbol	Test Conditions		Typ.	Unit
Collector Cut off Current	I_{CBO}	($-V_{CB} = 20V, I_E = 0, T_J = 25^\circ C$) ($-V_{CB} = 20V, I_E = 0, T_J = 150^\circ C$)	< <	100 5	nA μA
Emitter cut-off current	I_{EBO}	$I_C = 0, V_{EB} = 5V$	<	10	μA
Base Emitter on Voltage	V_{BE}	($-I_C = 500\text{ mA}, -V_{CE} = 1V$)	<	1, 2V	V
Saturation Voltage	V_{CEsat}	($-I_C = 500\text{ mA}, I_B = 50mA$)	<	700	mV
DC Current Gain	h_{FE}	($-I_C = 500\text{ mA}, -V_{CE} = 1V$) ($-I_C = 100\text{ mA}, -V_{CE} = 1V$)	> -	40 100 to 600	
Collector Capacitance	C_C	$I_E = I_E = 0, -V_{CB} = 10V,$ $f = 1MHz$	typ.	5	pF
Transition Frequency	f_T	($-I_C = 10mA, -V_{CE} = 5V$) $f = 100MHz$	>	100	MHz