



ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC		SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current		$I_{CBO}$	$V_{CB} = -40V, I_E = 0$	—	—	-0.1	$\mu A$
Emitter Cut-off Current		$I_{EBO}$	$V_{EB} = -6V, I_C = 0$	—	—	-0.1	$\mu A$
Collector-Emitter Breakdown Voltage		$V_{(BR)CEO}$	$I_C = -10mA, I_B = 0$	-50	—	—	V
DC Current Gain		$h_{FE(1)}$	$V_{CE} = -2V, I_C = -100mA$	120	—	400	
		$h_{FE(2)}$	$V_{CE} = -2V, I_C = -1.0A$	40	—	—	
Collector-Emitter Saturation Voltage		$V_{CE(sat)}$	$I_C = -700mA, I_B = -35mA$	—	—	-0.5	V
Base-Emitter Saturation Voltage		$V_{BE(sat)}$	$I_C = -700mA, I_B = -35mA$	—	—	-1.2	V
Transition Frequency		$f_T$	$V_{CE} = -2V, I_C = -100mA$	—	100	—	MHz
Collector Output Capacitance		$C_{ob}$	$V_{CB} = -10V, I_E = 0, f = 1MHz$	—	16	—	pF
Switching Time	Turn-on Time	$t_{on}$	<p> <math>20\mu s</math>  <math>-I_{B1} = I_{B2} = 35mA,</math>                      DUTY CYCLE <math>\leq 1\%</math>  <math>V_{CC} = -14V</math> </p>	—	0.1	—	$\mu s$
	Storage Time	$t_{stg}$		—	0.2	—	
	Fall Time	$t_f$		—	0.1	—	



