

ELECTRICAL CHARACTERISTICS ($T_{case} = 25^{\circ}C$ unless otherwise stated)

Parameter	Test Conditions	Min.	Typ.	Max.	Unit
$V_{CEO(BR)^*}$ Collector - Emitter Breakdown Voltage	$I_C = 100mA$	450			V
I_{CES} Collector Cut-off Current	$V_{CE} = 900V$ $V_{BE} = 0V$ $T_C = 125^{\circ}C$			500	μA
				3	mA
I_{EBO} Emitter Cut-off Current	$I_C = 0$ $V_{EB} = 7V$			1.0	mA
$V_{CE(sat)^*}$ Collector - Emitter Saturation Voltage	$I_C = 10A$ $I_B = 2A$			1.5	V
	$I_C = 7A$ $I_B = 1.0A$			1.5	
$V_{BE(sat)^*}$ Base - Emitter Saturation Voltage	$I_C = 10A$ $I_B = 2A$			1.8	V
	$I_C = 7A$ $I_B = 1.0A$			1.4	
t_{on} Turn-On Time	$I_C = 10A$ $V_{CC} = 250V$ $I_{B1} = 2A$			0.75	μs
t_s Storage Time	$I_C = 10A$ $I_{B1} = 2A$			3	μs
t_f Fall Time	$V_{CC} = 250V$ $I_{B2} = -2A$			0.8	

(*) Pulse test: $t_p \leq 300\mu s$, $\delta \leq 1.5\%$

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