

Main Specifications

($T_a=25^{\circ}\text{C}$, unless otherwise specified)

Part number		GT30J65MRB	
Package		TO-3P(N)	
Absolute maximum ratings	Collector-emitter voltage V_{CES} (V)		650
	Collector current (DC) I_C (A)	$T_c=25^{\circ}\text{C}$	60
		$T_c=100^{\circ}\text{C}$	30
	Junction temperature T_j ($^{\circ}\text{C}$)		175
Collector-emitter saturation voltage $V_{CE(sat)}$ typ. (V)		$I_C=30\text{A}$, $V_{GE}=15\text{V}$, $T_c=25^{\circ}\text{C}$	1.40
Switching time (fall time) t_f typ. (ns)		Inductive load, $V_{CE}=400\text{V}$, $I_C=15\text{A}$, $V_{GE}=15\text{V}$, $R_G=56\Omega$, $T_c=25^{\circ}\text{C}$	40
Switching loss (turn-off switching loss) E_{off} typ. (mJ)		Inductive load, $V_{CE}=400\text{V}$, $I_C=15\text{A}$, $V_{GE}=15\text{V}$, $R_G=56\Omega$, $T_c=175^{\circ}\text{C}$	0.35
Diode forward voltage V_F typ. (V)		$I_F=15\text{A}$, $V_{GE}=0\text{V}$, $T_c=25^{\circ}\text{C}$	1.20
Junction-to-case thermal resistance $R_{th(j-c)}$ max ($^{\circ}\text{C/W}$)			0.75
Sample Check & Availability		Buy Online	