

TOSHIBA GTR MODULE SILICON N CHANNEL IGBT

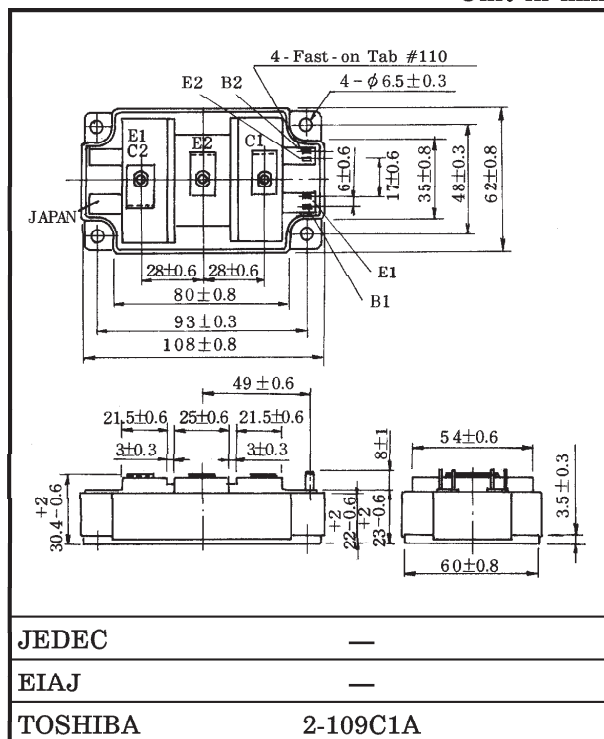
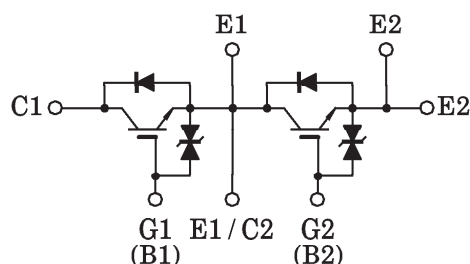
# MG200Q2YS40

HIGH POWER SWITCHING APPLICATIONS.  
MOTOR CONTROL APPLICATIONS.

Unit in mm

- High Input Impedance
- High Speed :  $t_f = 0.5\mu s$  (Max.)  
 $t_{rr} = 0.5\mu s$  (Max.)
- Low Saturation Voltage  
:  $V_{CE(sat)} = 4.0V$  (Max.)
- Enhancement-Mode
- Includes a Complete Half Bridge in One Package.
- The Electrodes are Isolated from Case.

## EQUIVALENT CIRCUIT



Weight : 430g

MAXIMUM RATINGS ( $T_a = 25^\circ C$ )

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Emitter Voltage	$V_{CES}$	1200	V
Gate-Emitter Voltage	$V_{GES}$	$\pm 20$	V
Collector Current	DC	$I_C$	A
	1ms	$I_{CP}$	
Forward Current	DC	$I_F$	A
	1ms	$I_{FM}$	
Collector Power Dissipation ( $T_c = 25^\circ C$ )	$P_C$	1300	W
Junction Temperature	$T_j$	150	$^\circ C$
Storage Temperature Range	$T_{stg}$	$-40 \sim 125$	$^\circ C$
Isolation Voltage	$V_{Isol}$	2500 (AC 1 minute)	V
Screw Torque (Terminal / Mounting)	—	3 / 3	N · m

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