

Compact-IGBT Series

PRODUCT GUIDE

Compact-IGBT Series

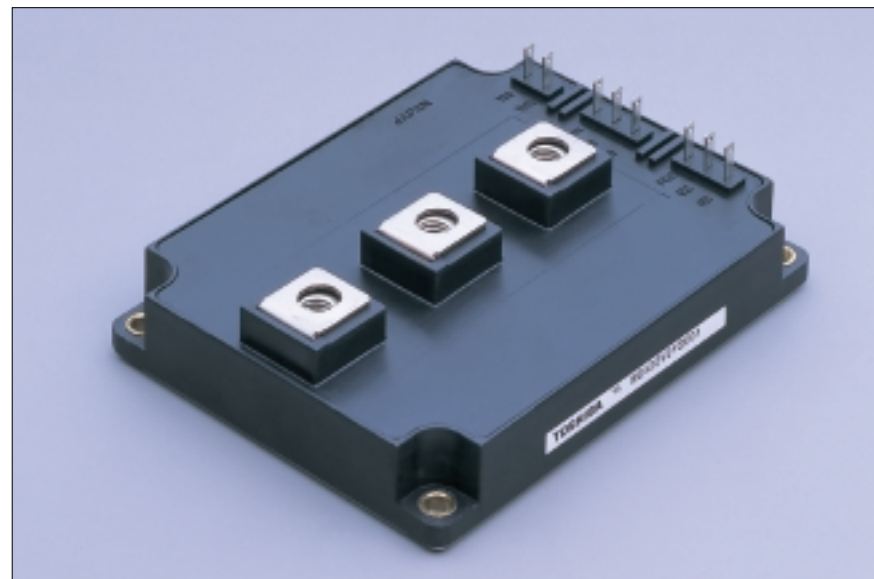
Outline

Toshiba have developed a low-loss high-power compact IGBT series whose devices are housed in compact packages. These devices are intended mainly for use in high-power inverters and servo amps. The development of this new series has enabled Toshiba to offer a wide range of IGBT products.

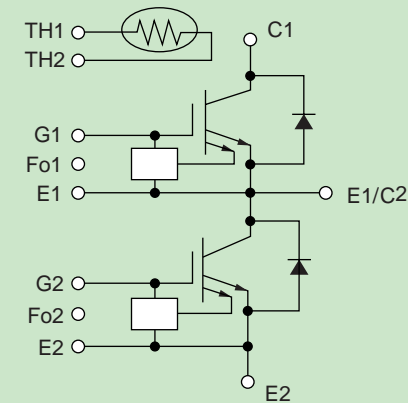
Features

- Single package housing products whose ratings range from 600 V to 1700 V
- Easy-to-handle compact 2-in-1 package
- Built-in RTC guaranteeing protection against short-circuits of up to $t_w = 10\mu s$
- Built-in thermistor

External Appearance



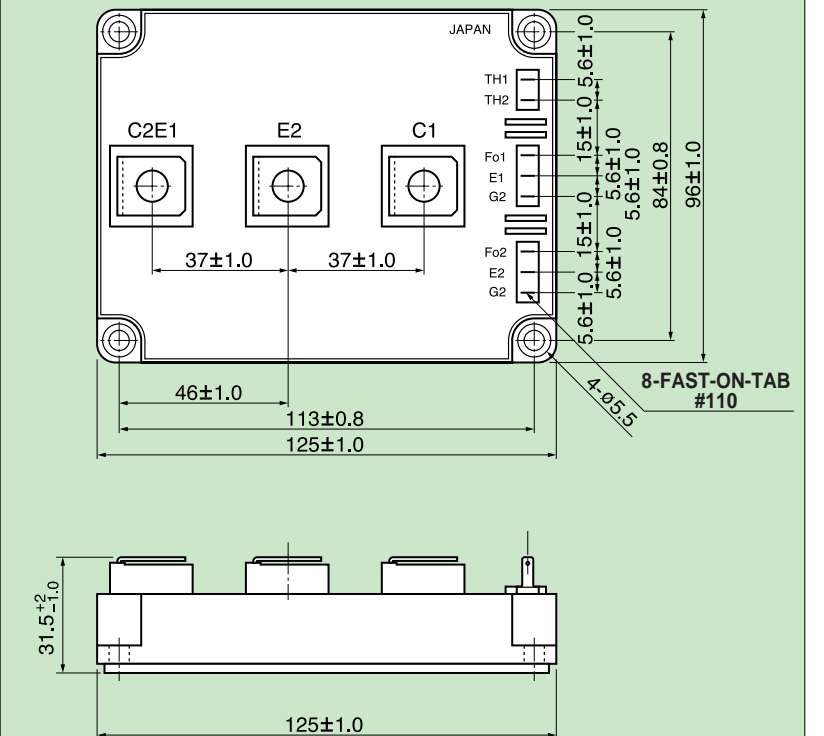
Equivalent Circuit



Package Dimensions

2-126A1A

Unit: mm



Rating		Product No.	Characteristics and Functions					
Voltage (V)	Current (A)		Circuit	V _{CE(sat)}			SC	TH
				typ.	max	I _c (A)		
600	800	MG800J2YS50A	2in1	2.4	3.0	800	○	○
1200	600	MG600Q2YS60A	2in1	2.7	3.1	600	○	○
1700	400	MG400V2YS60A	2in1	3.0	3.4	400	○	○

○ : Function built-in
 SC : Short-circuit protection
 TH : Thermal output

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