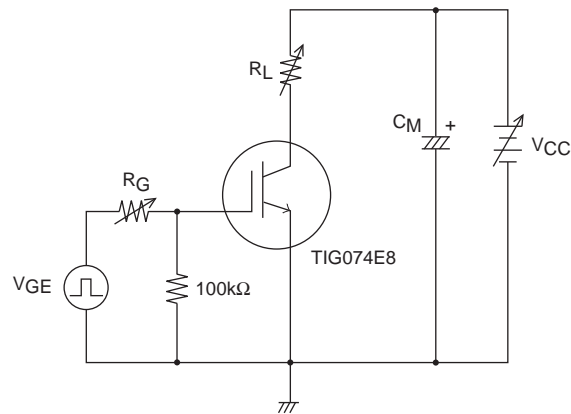


Fig.1 Large Current R Load Switching Circuit

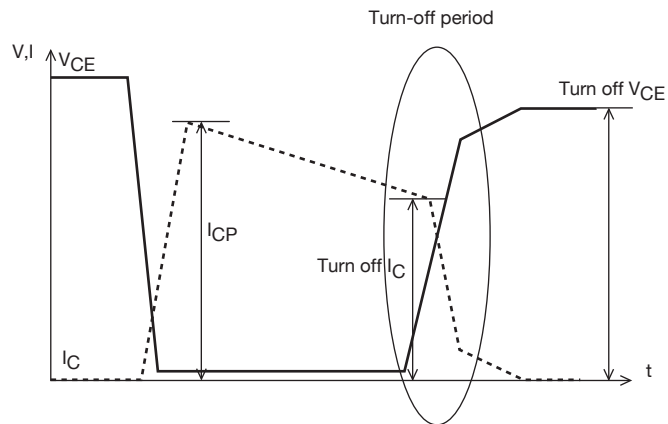
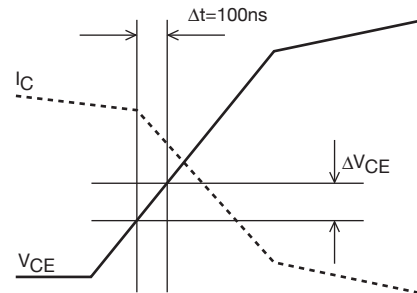


Note1. The collector voltage gradient dv / dt - Turn off I_c safety movement domain to protect the device of Gate-series resistor R_G when it is turned off.

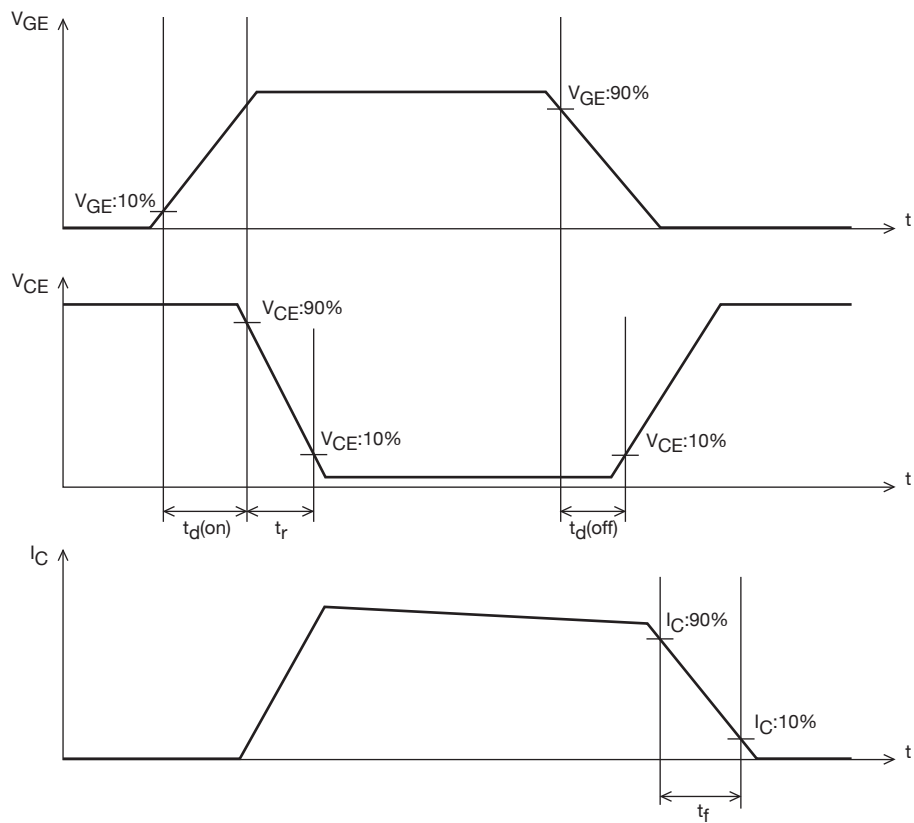
Definition of dv/dt

dv/dt is defined as the maximum slope of the below V_{CE} curve during turn-off period.

$$dv/dt = \Delta V_{CE} / \Delta t = \Delta V_{CE} / 100ns$$

Overall waveform**Enlarged picture of turn-off period**

IT15323

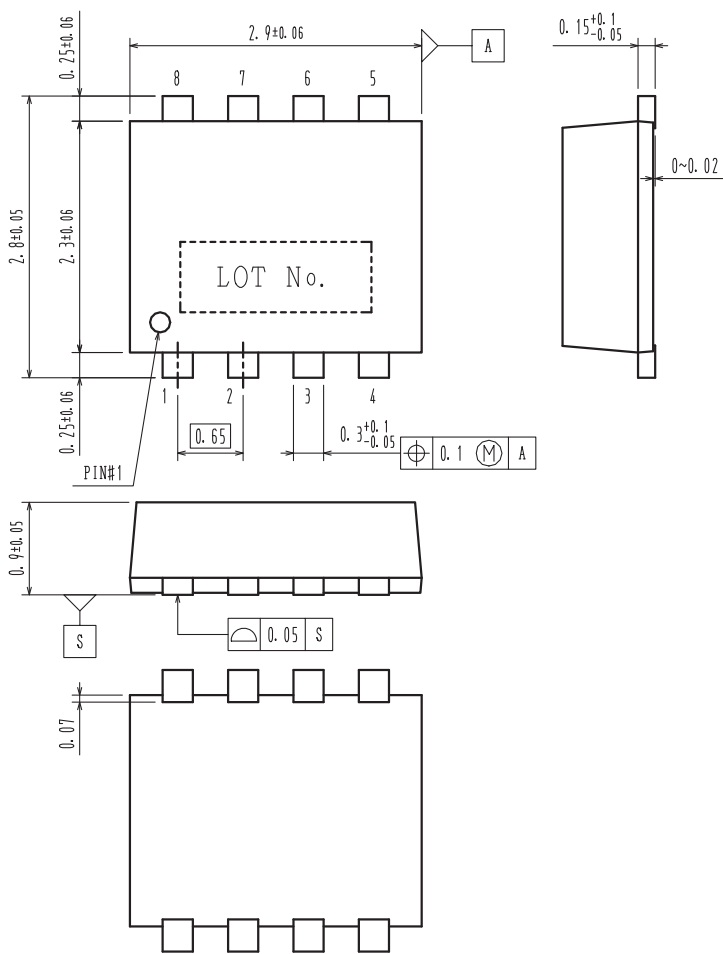
Definition of Switching Time

IT15324

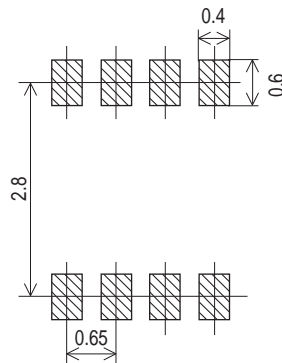
Package Dimensions
TIG074E8-TL-H

SOT-28FL/ECH8
CASE 318BF
ISSUE O
Unit : mm

- 1: Emitter
- 2: Emitter
- 3: Emitter
- 4: Gate
- 5: Collector
- 6: Collector
- 7: Collector
- 8: Collector



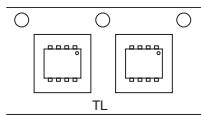
Land Pattern Example



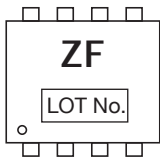
Ordering & Package Information

Device	Package	Shipping	memo
TIG074E8-TL-H	ECH8	3,000 pcs./reel	Pb-Free and Halogen Free

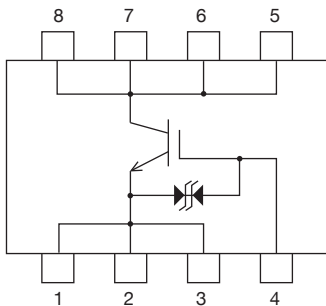
Packing Type: TL



Marking



Electrical Connection



Note on usage : TIG074E8 has protection diode between gate and emitter but handling it requires sufficient care to be taken.

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