

$V_{CE} = 600\text{ V}$, $I_C = 37\text{ A}$
Trench IGBT with Fast Recovery Diode
MGD623S

Description

The MGD623S is 600 V trench IGBT. Sanken original trench structure decreases gate capacitance, and achieves high speed switching and switching loss reduction. Thus, the IGBT can improve the efficiency of your circuit.

Features

- Low Saturation Voltage
- High Speed Switching
- With Integrated Low V_F Fast Recovery Diode
- Bare Lead Frame: Pb-free (RoHS Compliant)

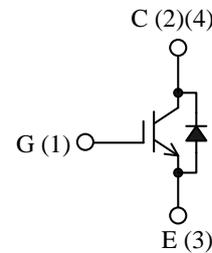
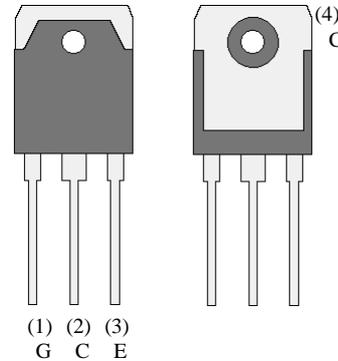
- V_{CE} ----- 600 V
- I_C ($T_C = 100\text{ }^\circ\text{C}$)----- 37 A
- $V_{CE(sat)}$ ----- 1.8 V typ.
- t_f ($T_J = 25\text{ }^\circ\text{C}$)----- 120 ns typ.
- V_F ----- 1.2 V typ.

Applications

- Microwave Oven
- IH Cooker
- Inverter Circuit

Package

TO3P-3L



Not to scale