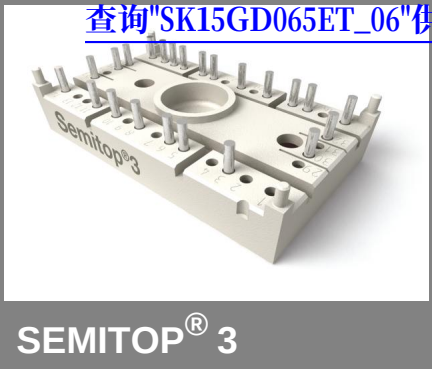


SK15GD065ET



IGBT Module

SK15GD065ET

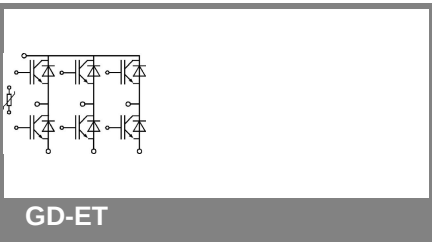
Preliminary Data

Features

- Compact design
- One screw mounting
- Heat transfer and isolation through direct copper bonded aluminium oxide ceramic (DCB)
- Ultrafast NPT technology IGBT
- CAL technology FWD
- Integrated NTC temperature sensor

Typical Applications

- Inverter

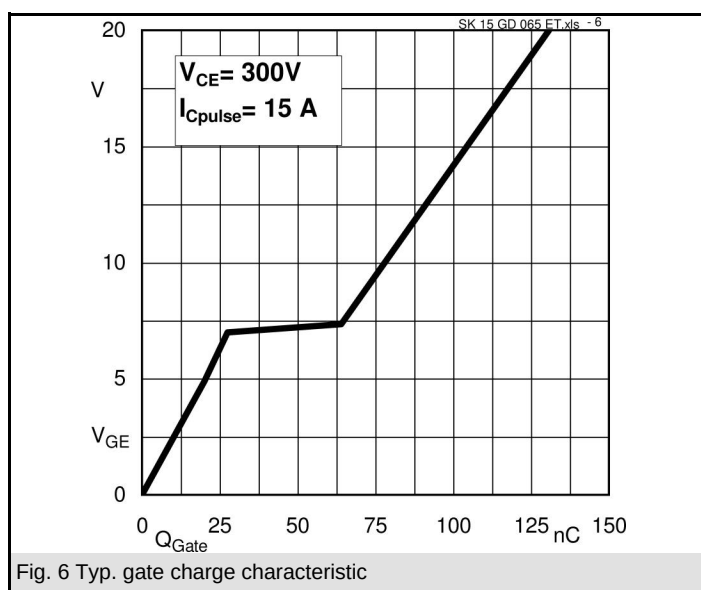
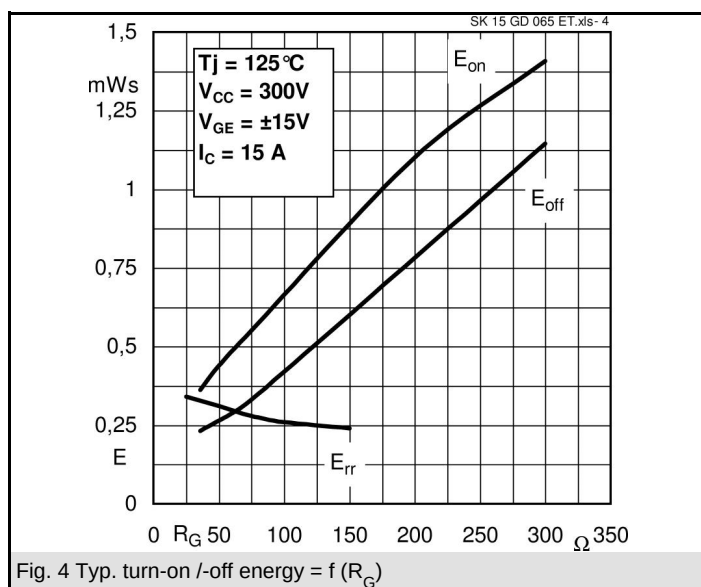
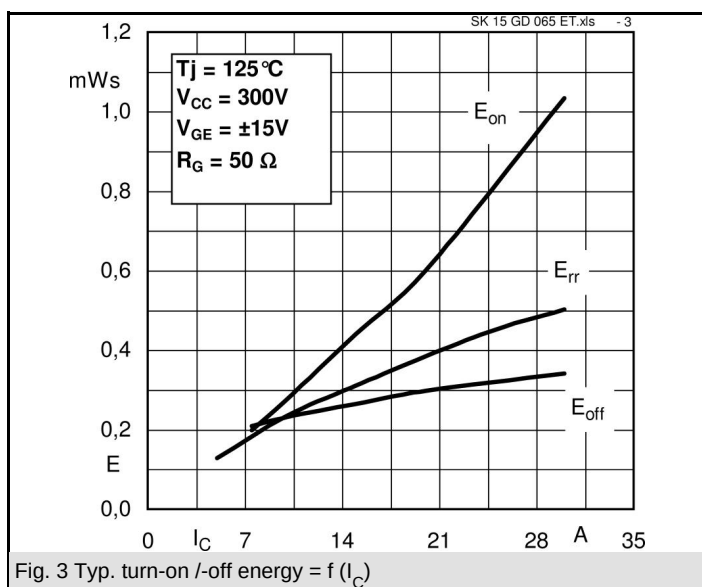
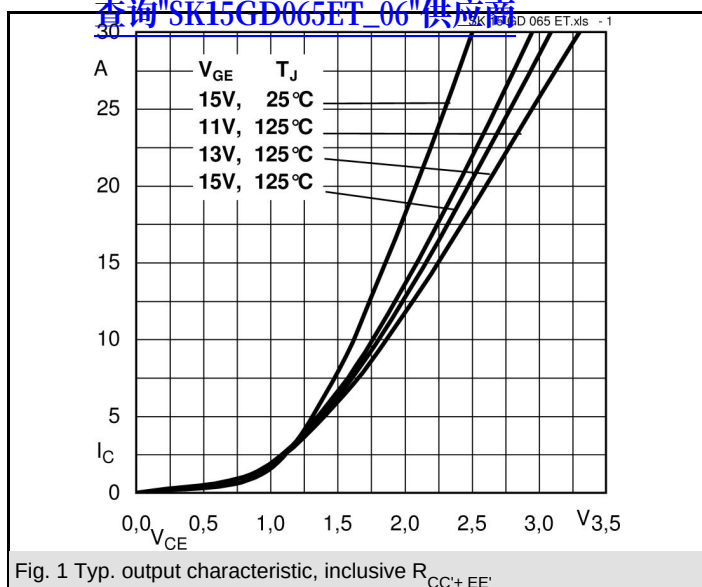


Characteristics						
Symbol	Conditions		min.	typ.	max.	Units
Inverse Diode						
$V_F = V_{EC}$	$I_{Fnom} = 10\text{ A}; V_{GE} = 0\text{ V}$	$T_j = 25\text{ }^{\circ}\text{C}_{chiplev.}$		1,4	1,7	V
		$T_j = 125\text{ }^{\circ}\text{C}_{chiplev.}$		1,4		V
V_{F0}		$T_j = 25\text{ }^{\circ}\text{C}$		1	1,1	V
		$T_j = 125\text{ }^{\circ}\text{C}$		0,9		V
r_F		$T_j = 25\text{ }^{\circ}\text{C}$		45	60	mΩ
		$T_j = 125\text{ }^{\circ}\text{C}$		50		mΩ
I_{RRM}	$I_{Fnom} = 10\text{ A}$	$T_j = 125\text{ }^{\circ}\text{C}$		11		A
Q_{rr}	$di/dt = -290\text{ A/}\mu\text{s}$			1,1		μC
E_{rr}	$V_{CC} = 300\text{ V}$			0,24		mJ
$R_{th(j-s)D}$	per diode				2,3	K/W
M_s	to heat sink		2,25		2,5	Nm
w				30		g
Temperature sensor						
R_{100}	$T_s = 100^{\circ}\text{C}$ ($R_{25} = 5\text{k}\Omega$)			493±5%		Ω

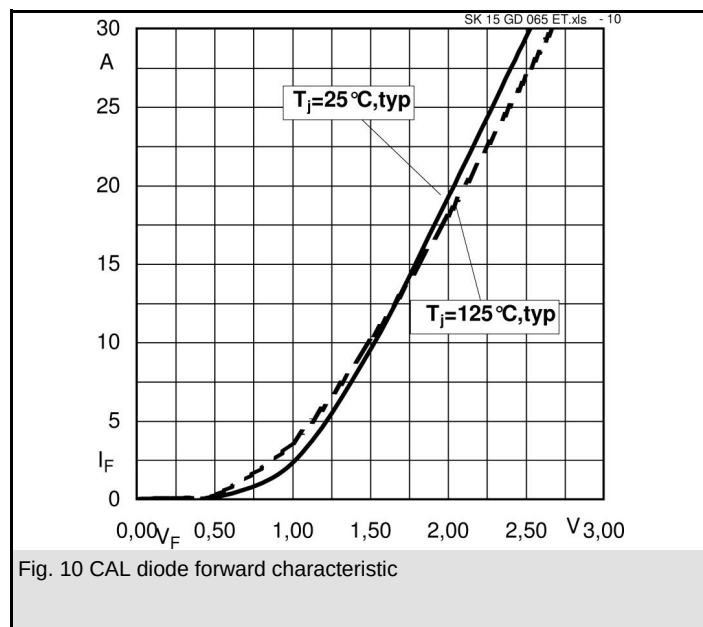
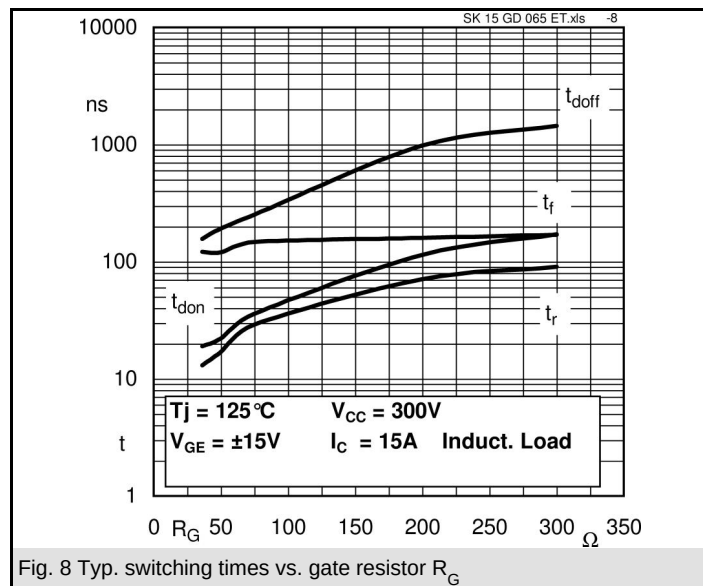
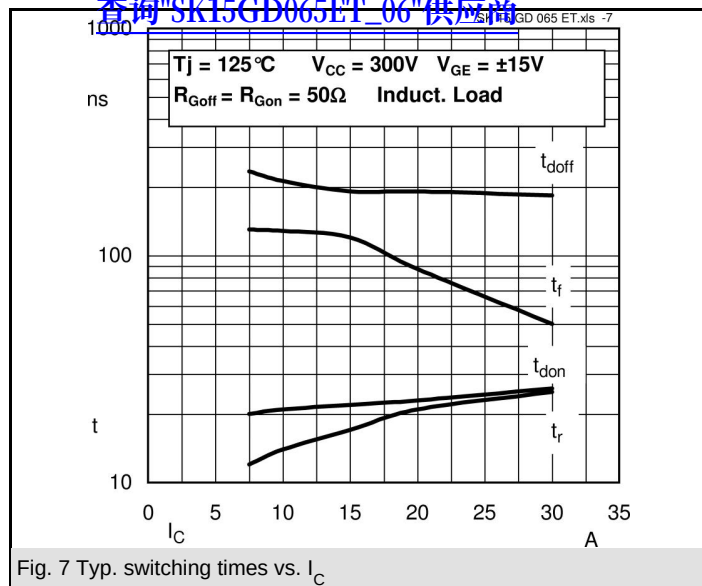
This is an electrostatic discharge sensitive device (ESDS), international standard IEC 60747-1, Chapter IX.

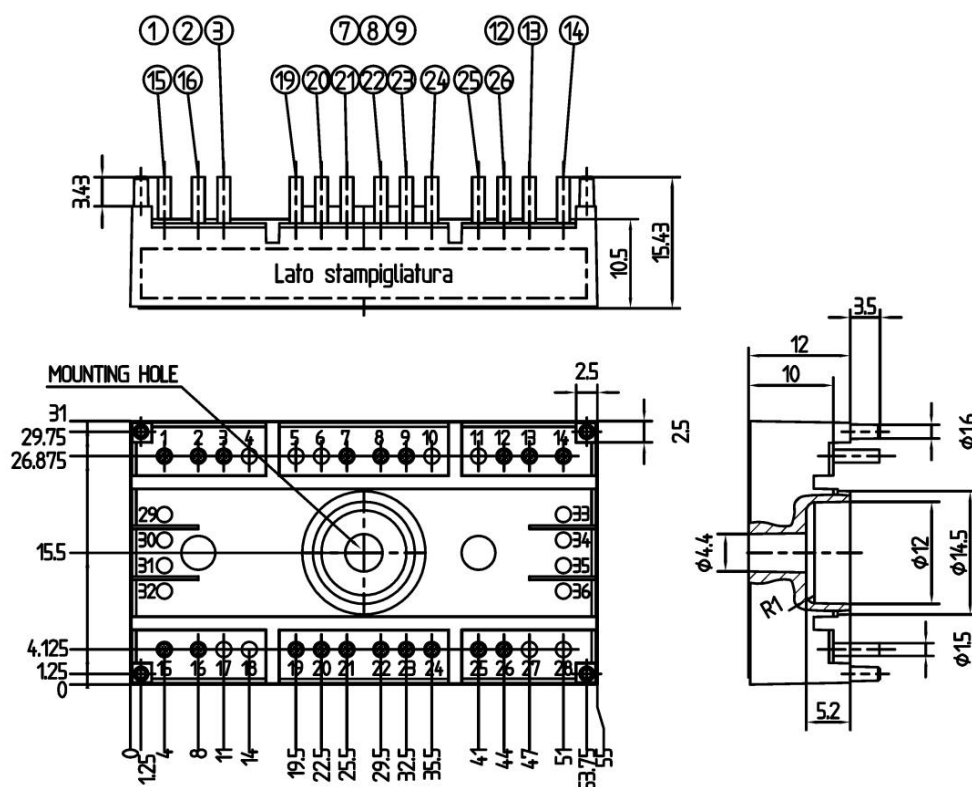
This technical information specifies semiconductor devices but promises no characteristics. No warranty or guarantee expressed or implied is made regarding delivery, performance or suitability.

查询"SK15GD065ET_06"供应商

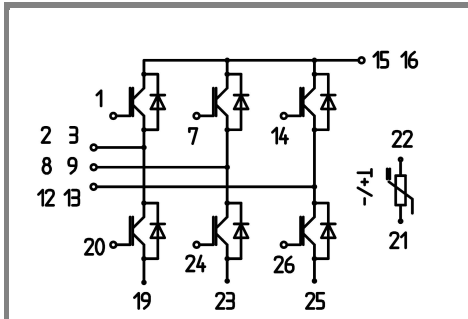


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Case T52 (Suggested hole diameter, in the PCB, for solder pins and plastic mounting pins: 2mm)



Case T 52

GD-ET