

SKM 200GB063D



Superfast NPT-IGBT Modules

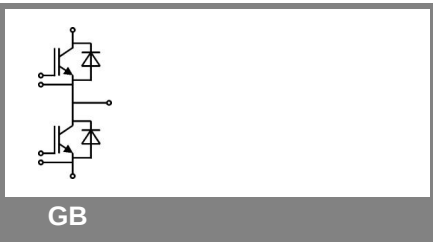
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Features

- N channel, homogeneous Silicon structure (NPT - Non punch-through IGBT)
- Low tail current with low temperature dependence
- High short circuit capability, self limiting if term. G is clamped to E
- Pos. temp.-coeff. of V_{CEsat}
- 50 % less turn off losses
- 30 % less short circuit current
- Very low C_{ies} , C_{oes} , C_{res}
- Latch-up free
- Fast & soft inverse CAL diodes
- Isolated copper baseplate using DCB Direct Copper Bonding Technology without hard mould
- Large clearance (13 mm) and creepage distances (20 mm)

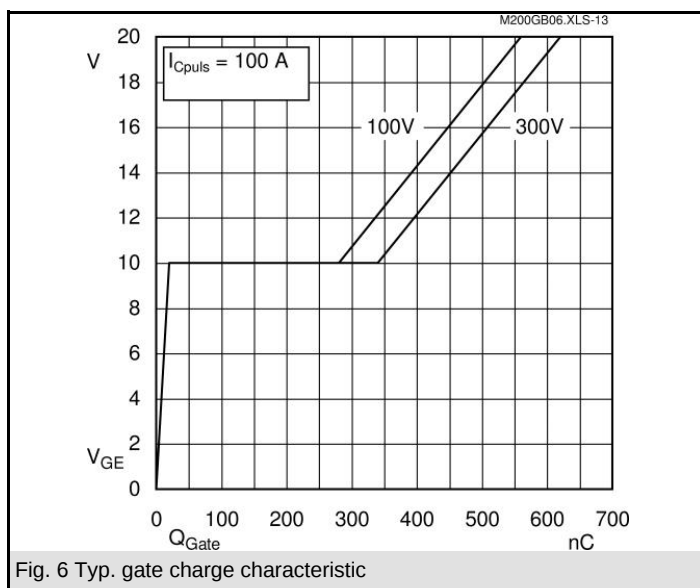
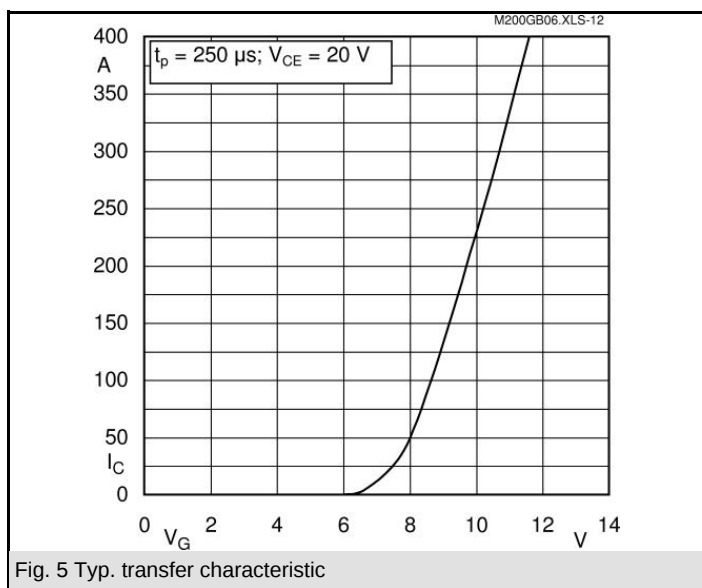
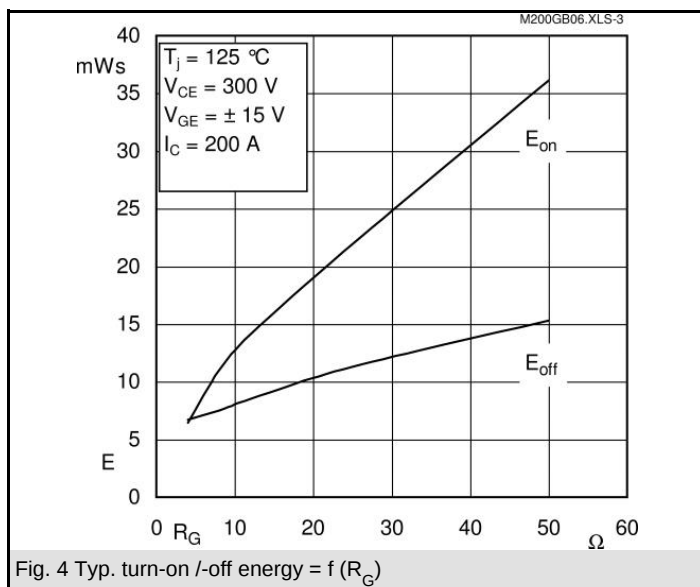
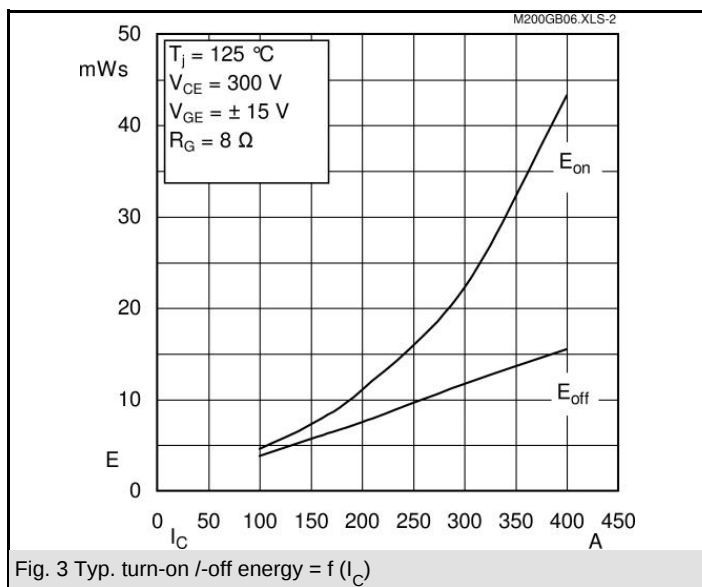
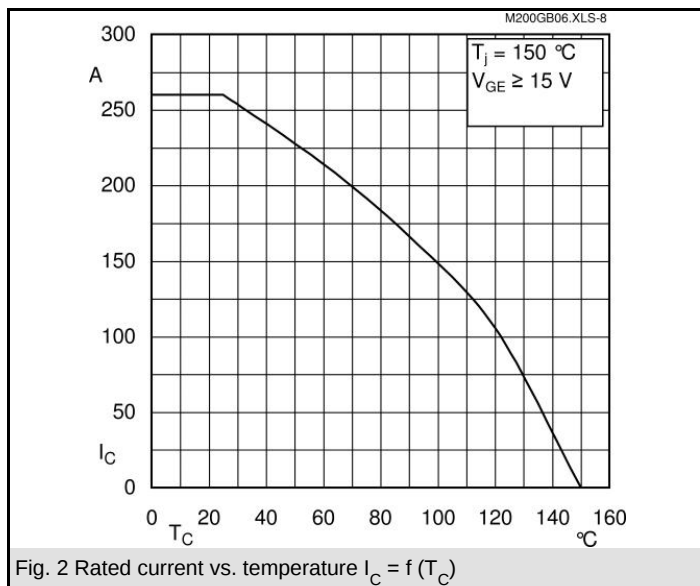
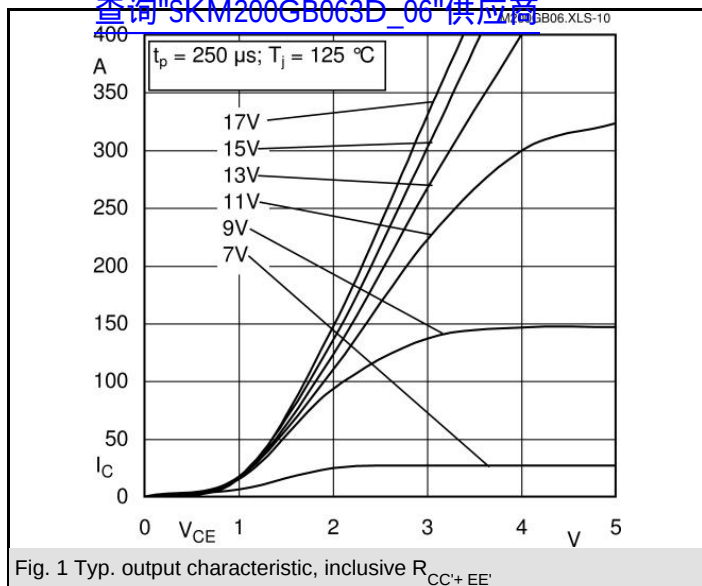
Typical Applications

- Switched mode power supplies
- AC inverter servo drives
- UPS uninterruptable power supplies
- Welding inverters

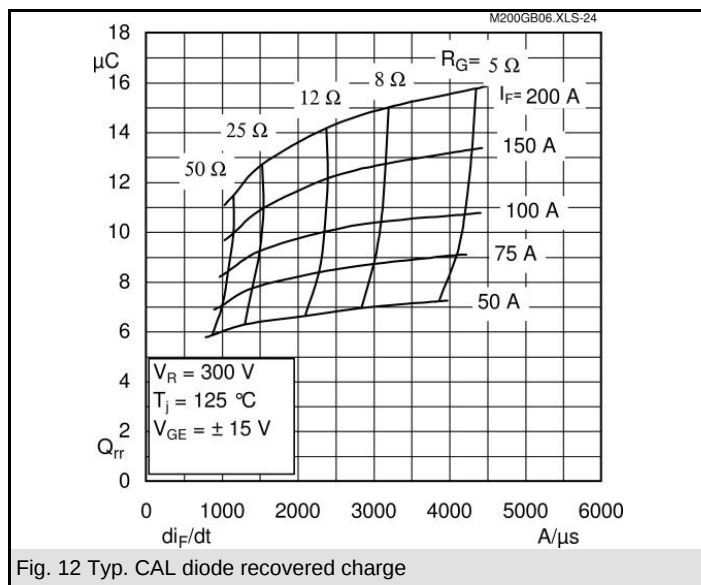
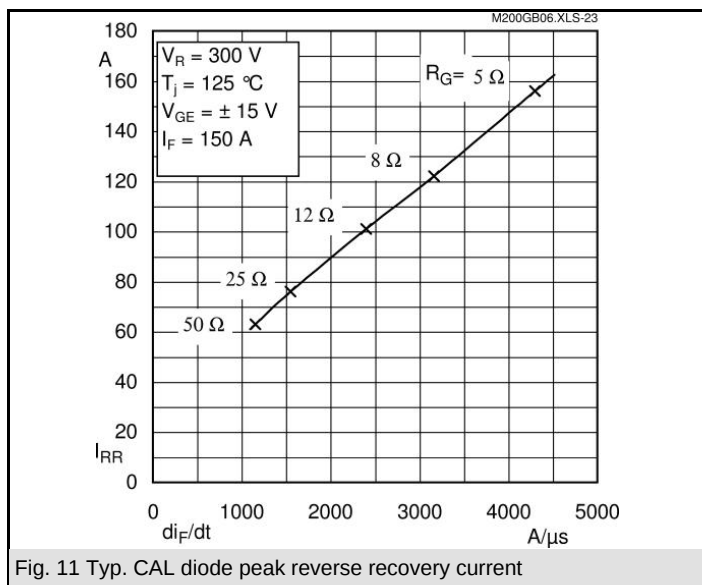
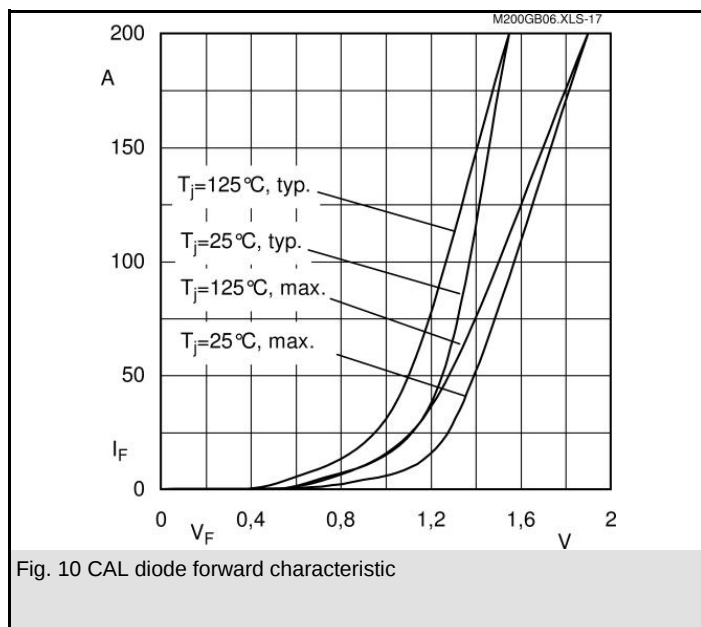
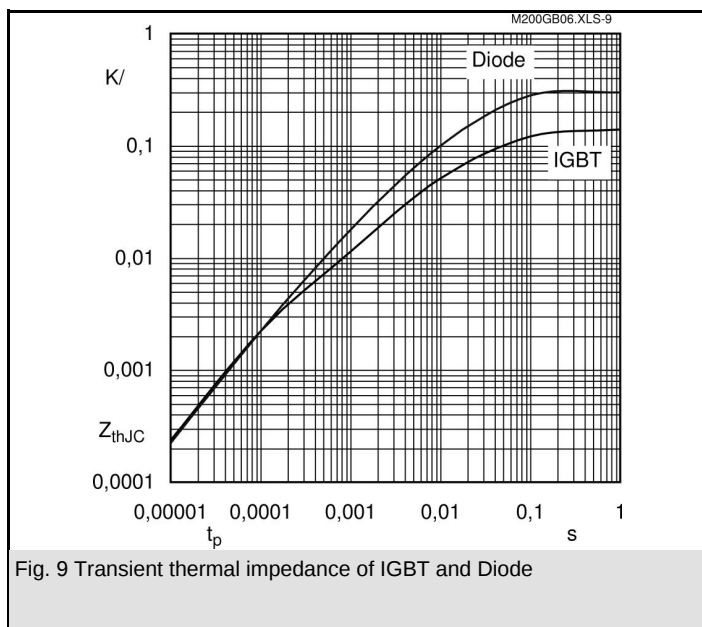
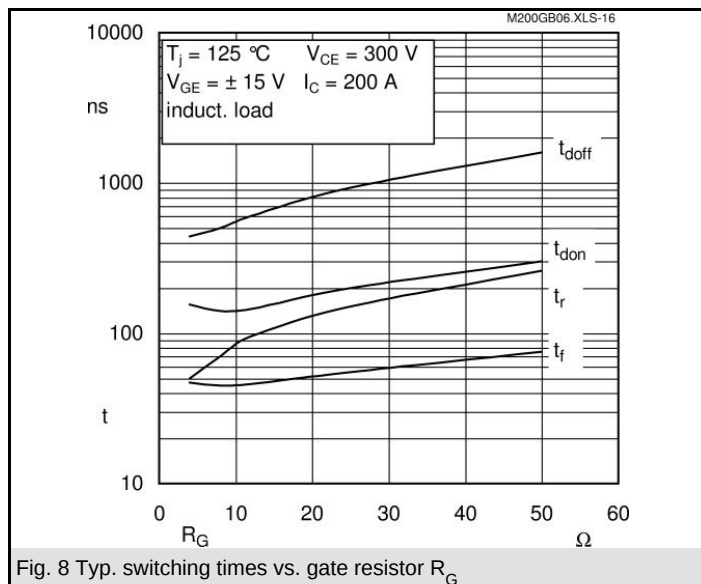
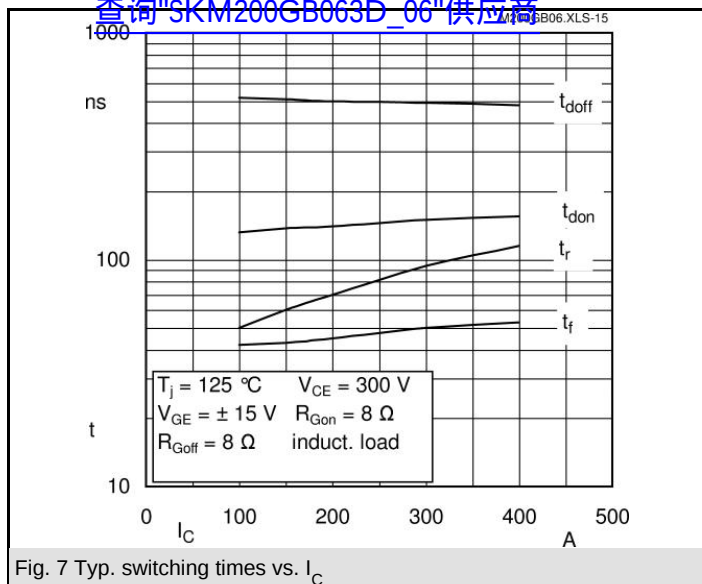


Symbol	Conditions	Values	Units
$Z_{th(j-c)I}$			
R_i	$i = 1$	90	mk/W
R_i	$i = 2$	39	mk/W
R_i	$i = 3$	9	mk/W
R_i	$i = 4$	2	mk/W
τ_{ui}	$i = 1$	0,0416	s
τ_{ui}	$i = 2$	0,0139	s
τ_{ui}	$i = 3$	0,0021	s
τ_{ui}	$i = 4$	0,0001	s
$Z_{th(j-c)D}$			
R_i	$i = 1$	200	mk/W
R_i	$i = 2$	84	mk/W
R_i	$i = 3$	14	mk/W
R_i	$i = 4$	2	mk/W
τ_{ui}	$i = 1$	0,0275	s
τ_{ui}	$i = 2$	0,0413	s
τ_{ui}	$i = 3$	0,0019	s
τ_{ui}	$i = 4$	0,004	s

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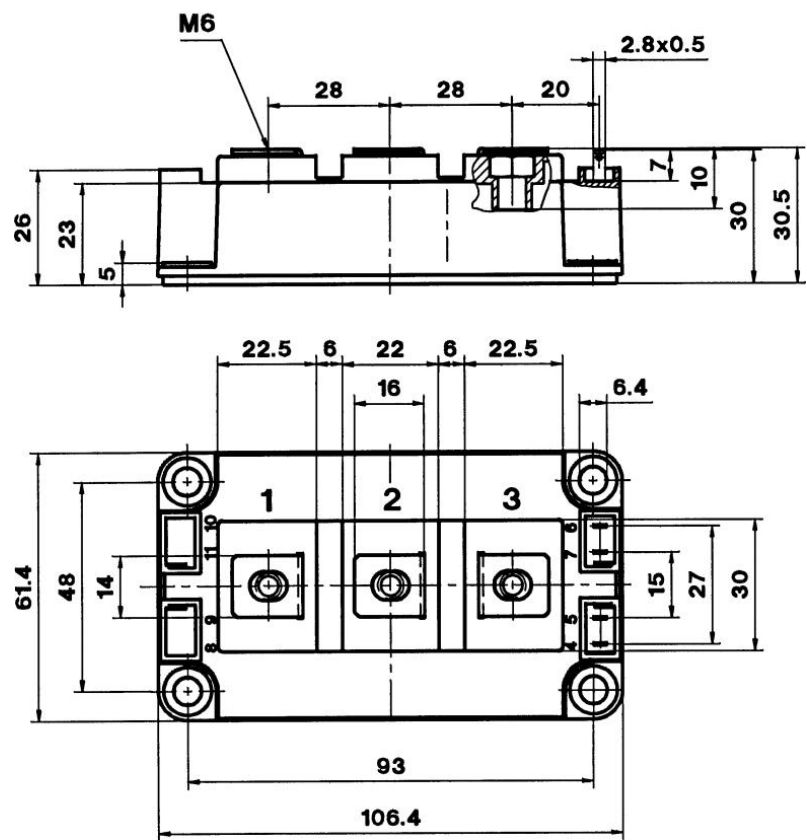
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UL recognized

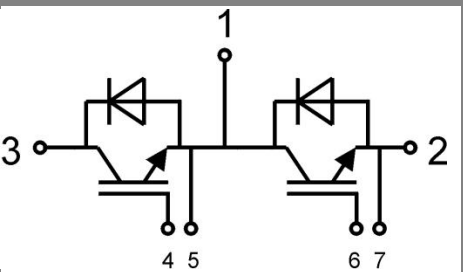
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CASED56

File no. E 63 532



Case D 56



GB Case D 56