

SEMITRANS™ 2

SPT IGBT Module

SKM 75GB128D

Features

- High current density
- High switching speed
- High efficiency
- High reliability
- High temperature capability

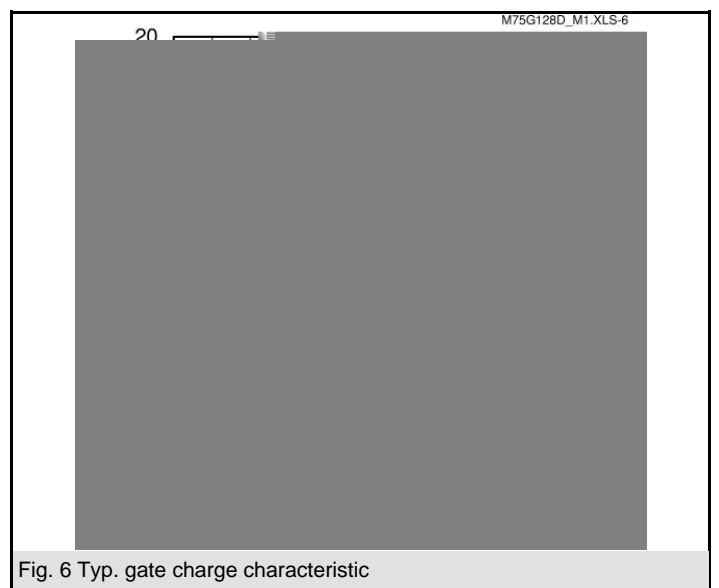
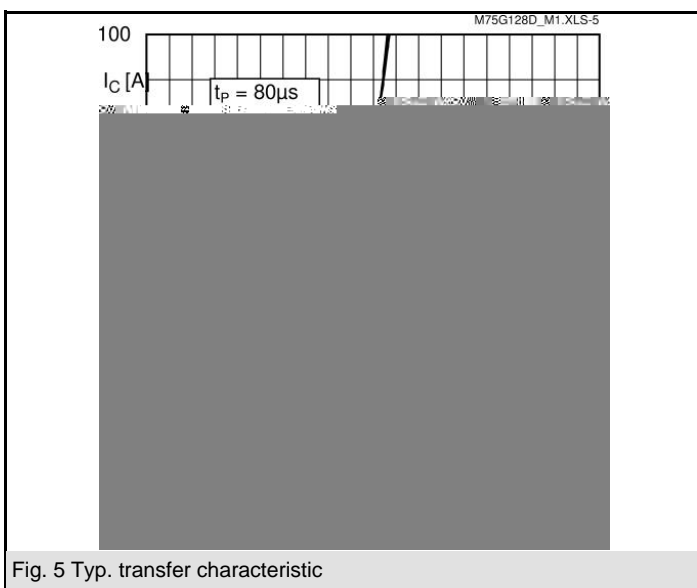
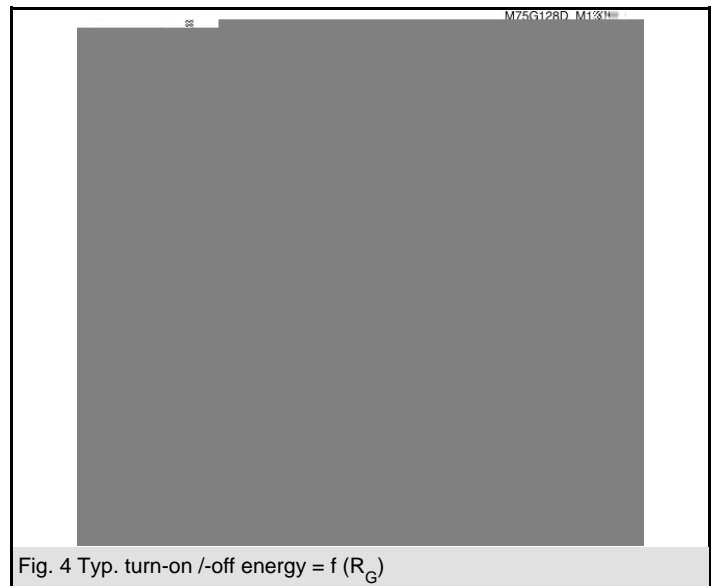
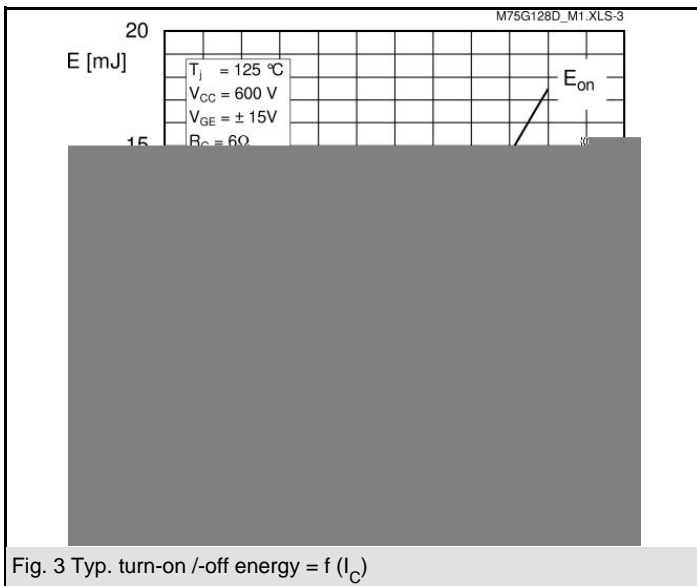
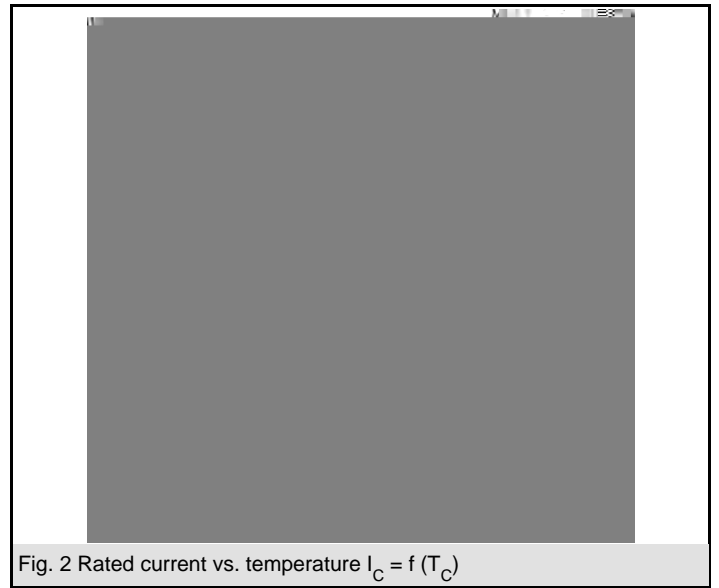
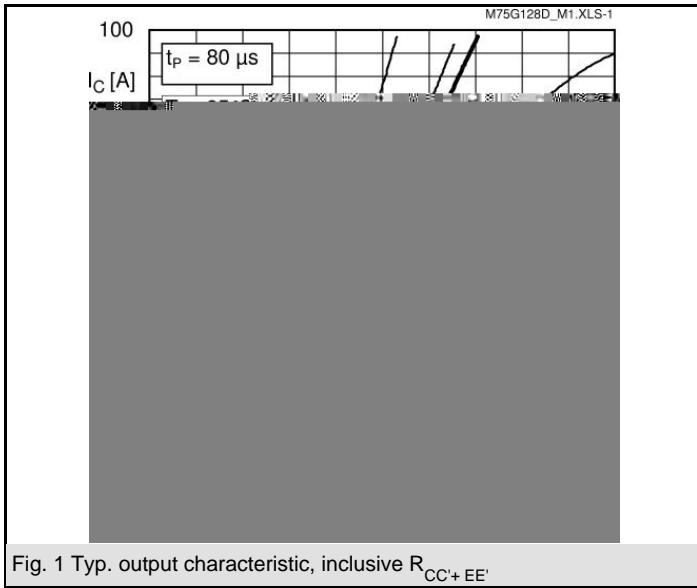
Typical Applications

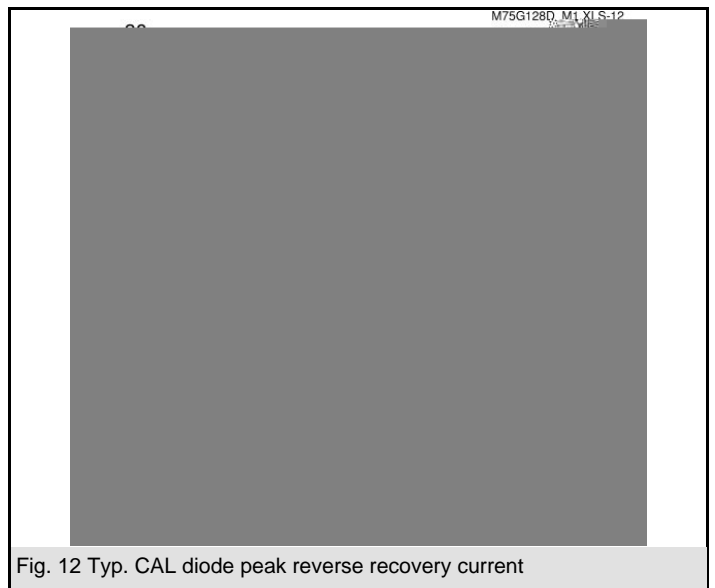
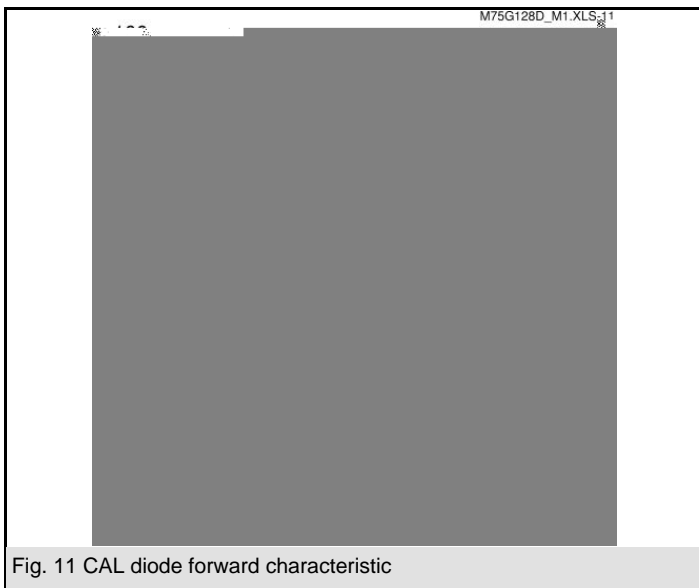
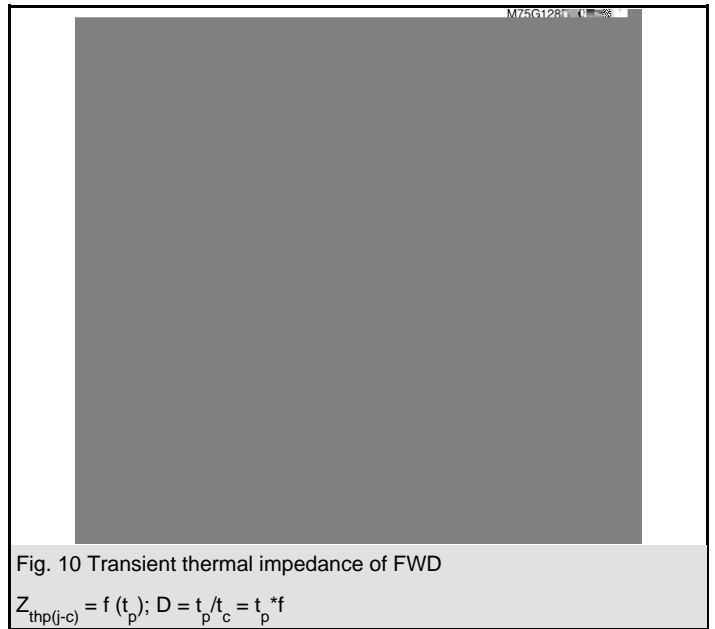
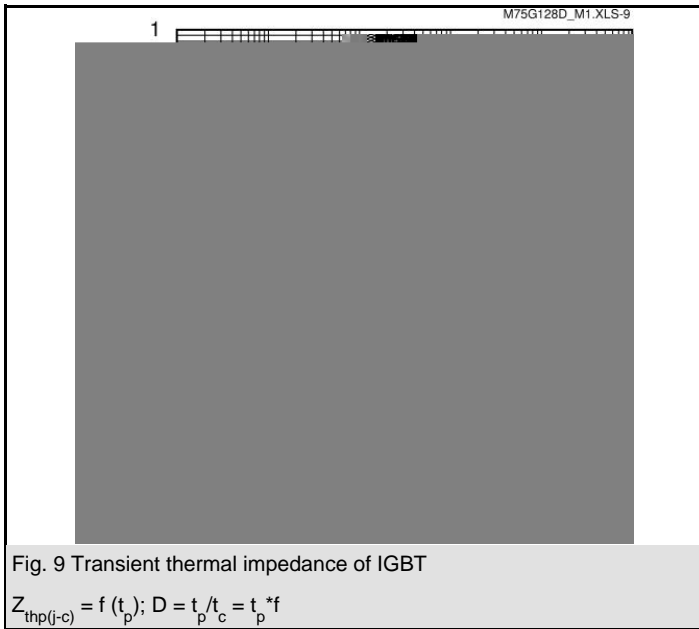
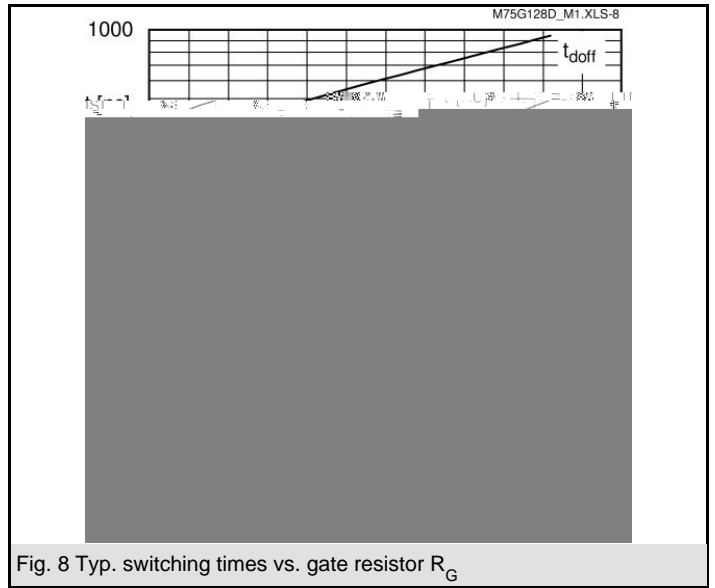
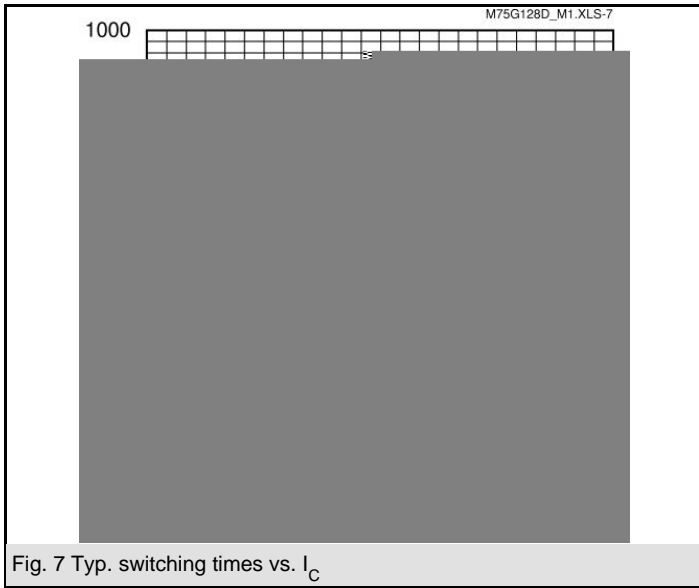
- Inverter
- Motor drive
- Power supply
- Industrial machine
- Traction drive

Absolute Maximum Ratings

Symbol	Conditions	Values	Units
IGBT			
V_{CE}	$V_{CE} = 0, I_C = I_{Cmax}$	1200	V
$V_{CE(sat)}$	$V_{CE} = 0, I_C = I_{Cmax}$	1.5	V
V_{BE}	$V_{BE} = 0, I_B = I_{Bmax}$	15	V
I_C	$V_{CE} = 0, T_C = 100^\circ C$	75	A
I_B	$V_{CE} = 0, T_C = 100^\circ C$	15	A
I_{Tj}	$T_C = 100^\circ C$	15	A
T_C		100	°C

GB





M75G128D_M1

Fig. 13 Typ. CAL diode recovered charge