



Unit

mA  
mA  
nA

μC  
nF  
pF  
ns  
ns  
ns

60

ns  
ns

$t_{d(off)}$  Turn off Delay Time

$V_{ce} = 300V, I_c = 300A$   
 $R_{th} = 1.0 \mu C, T_c = 25^\circ C, T_D = 0.0002 \mu C, T_J = 0.0741 - 1.00003 T (ns), 0.0664704 dt, T_J = 9.710074 T_c (CC), T_J = 8.7544 0.08775277...$

R 520

ns

$t_f$  Fall Time

$T_J = 25$

60

ns

$T_J = -125$

70

ns



$I_c(A)$

$E_{on}E_{off}(mJ)$

$V_{GE} \text{ \AA V \AA}$

Figure 3. Typical Transfer characteristics IGBT-inverter

$R_g \text{ \AA \AA}$

Figure 4. Switching Energy vs Gate Resistor IGBT-inverter

$\mu$



Figure 14. Circuit Diagram

Dimensions in (mm)  
Figure 15. Package Outline