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## APPLICATIONS

- ¶ Motion/servo control
- ¶ Inverter and power supplies

Unit

mA

mA

nA

nC

nF

pF

ns

ns

ns

70

ns

ns

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

700

ns

T = 25

10

ns

Unit  
V

				Unit
V				V
				V
$I_R$	Reverse Leakage Current	$V_R=1600V, T_J=25$	50	$\mu A$
		$V_R=1600V, T_J=150$	1	mA
P	junction to Case Thermal Resistance	Ä Dev Diode Ä	0.62	K/W

Unit

mA

mA

nA

nC

nF

pF

ns

ns

ns

17

ns

ns

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

$V_{CC}=300V, I_C=20A$

$R_G=18 \Omega$

V

$T=25^\circ C$

150

ns

70

ns





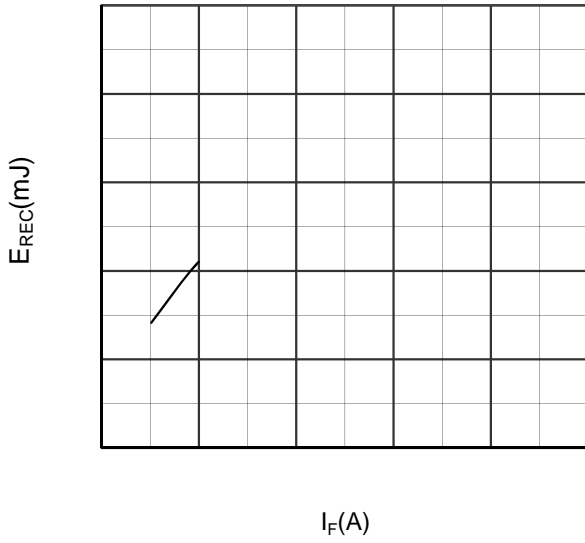


Figure 9. Switching Energy vs Forward Current Diode-inverter

$Z_{th(jc)}$  (K/W)

Rectangular Pulse Duration(S)  
Figure 10. Transient Thermal Impedance of Diode and IGBT-inverter

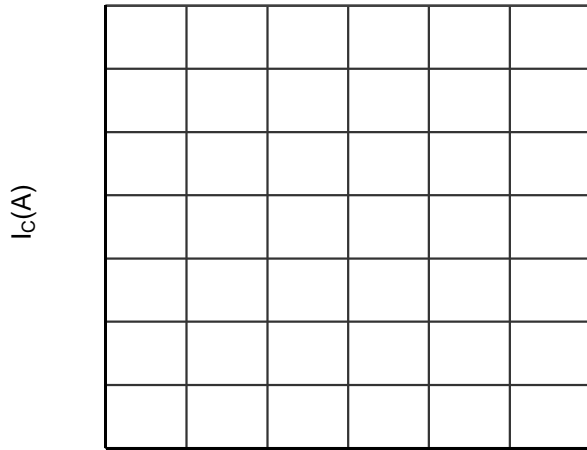


Figure 15. Collector Current vs Case temperature  
IGBT -inverter

$I_F(A)$

$T_c( )$

Figure 16. Forward current vs Case temperature  
Diode -inverter



MMG50W060XB6EN

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