

APPLICATIONS

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Unit

μ A
mA
nA

μ C
nF
pF
ns
ns
ns
ns

$T_J=150$
T

30

ns
ns

MMG40S120B6UC

MODULE CHARACTERISTICS (T_c=25°C unless otherwise specified)

Symbol	Parameter/Test Conditions	Values	Unit
7M5			
T _{Jop}	Operating Temperature	-40~150	
T _{stg}	Storage Temperature	-40~125	
V _{isol}	Isolation Breakdown Voltage AC, 50Hz(R.M.S), t=1minute	3000	V
CTI	Comparative Tracking Index	• 200	
Torque	to heatsink	Recommended ~ M6 ~	3~5 Nm
	to terminal	Recommended ~ M5 ~	2.5~5 Nm
Weight		160	g



Figure 3. Typical Transfer characteristics IGBT-inverter

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

Figure 4. Switching Energy vs Gate Resistor IGBT-inverter

mJ

)

v

Figure 13. Circuit Diagram