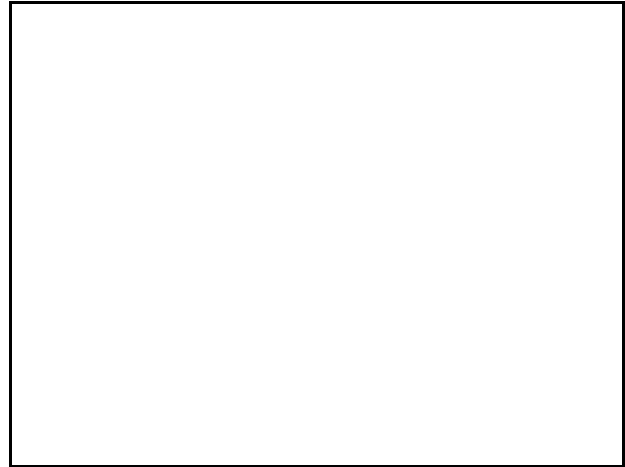


## PRODUCT FEATURES

- ¶ High short circuit capability, self limiting short circuit current
- ¶ IGBT CHIP(Highly rugged SPT+ design)
- ¶  $V_{CE(sat)}$  with positive temperature coefficient
- ¶ Ultra Low Loss, High Ruggedness
- ¶ Free wheeling diodes with fast and soft reverse recovery



## APPLICATIONS

- ¶ AC motor control
- ¶ Motion/servo control
- ¶ Inverter and power supplies
- ¶ Photovoltaic/Fuel cell

Unit

W

Unit  
V

A

Unit

mA

mA

nA

$\mu$ C

nF

nF

ns

ns

ns

ns

ns

ns

ns

ns

mJ

---

# MMG75S170B

MODULE CHARACTERISTICS ( $T_c=25^{\circ}\text{C}$  unless otherwise specified)

Symbol	Parameter/Test Conditions	Values	Unit
$T_{Jmax}$	Max. Junction Temperature	175	
T			V
			Nm
			Nm
			g



# MMG75S170B

$I_F(A)$

$E_{REG}(mJ)$

$V_F$

Figure 13. Circuit Diagram

Dimensions in (mm)  
Figure 14. Package Outline