



### Abstract

The 6MBI100FC-060 is a discontinued insulated-gate bipolar transistor in a modular package by FUJI Electric, currently in "Last Time Buy" sale through American Microsemiconductor.

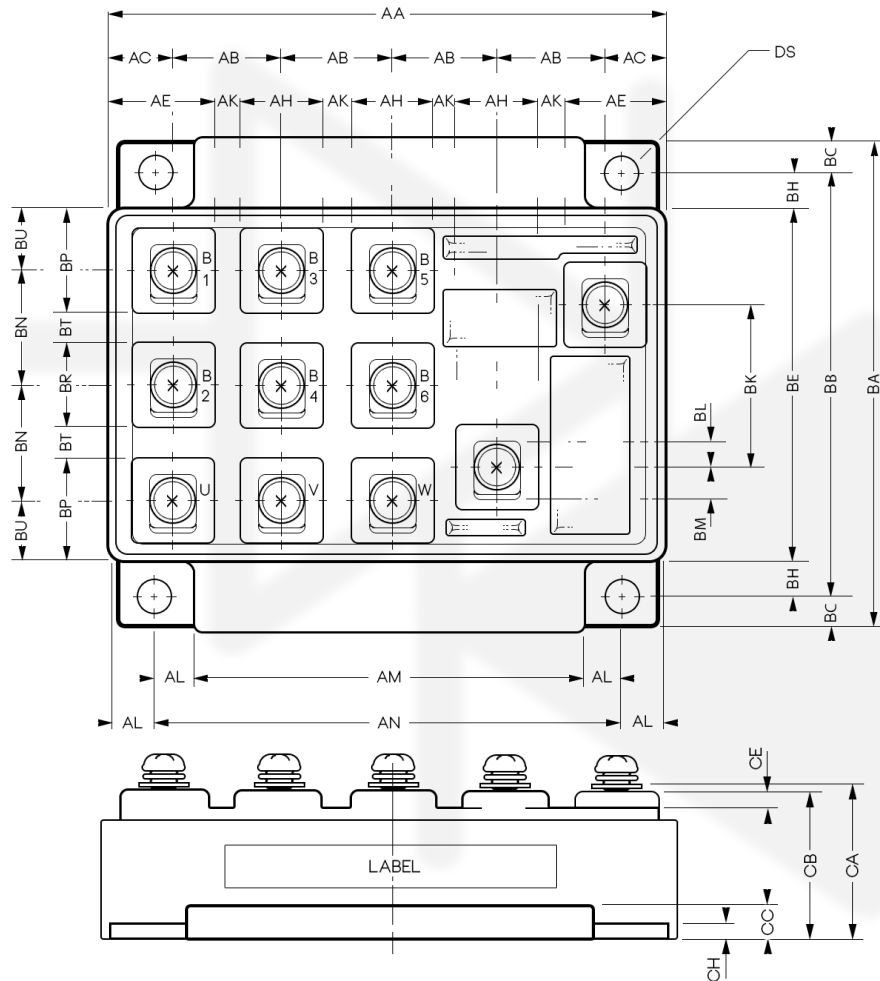
### Features

- Square RBSOA
- Low Saturation Voltage
- Less Total Power Dissipation
- Improved FWD Characteristic
- Minimized Internal Stray Inductance
- Overcurrent Limiting Function

### Applications

- High Power Switching
- A.C. or D.C. Motor Control
- Uninterruptible Power Supplies

### Dimensional Schematic



	mm
AA	94.0
AB	18.5
AC	10.0
AE	17.0
AH	14.0
AK	4.5
AL	7.0
AM	66.0
AN	80.0
BA	86.0
BB	74.0
BC	6.0
BE	61.0
BH	6.5
BK	28.0
BL	4.5
BM	5.5
BN	20.0
BP	18.0
BR	15.0
BT	5.0
BU	10.5
CA	27.0
CB	25.5
CC	6.5
CE	2.5
CH	3.0
DS	4-Ø5.4

## Electrical Characteristics

$V_{CES}$	$V_{GES}$	$I_C$ Cont.	$P_C$	$V_{CE}$ (sat) Max.	$(V_{GE}=15V) I_C$	Switching Time (Max.) ( $\mu$ sec)		
Volts	Volts	Amps.	Watts	Volts	Amps	$t_{on}$	$t_{off}$	$t_r$
600	$\pm 20$	100	360	2.5	100	---	1.5	1.0

## Equivalent Circuit

