

# SHINDENGEN

## Schottky Rectifiers (SBD)

Modules

# D120SC4M

## 40V 120A

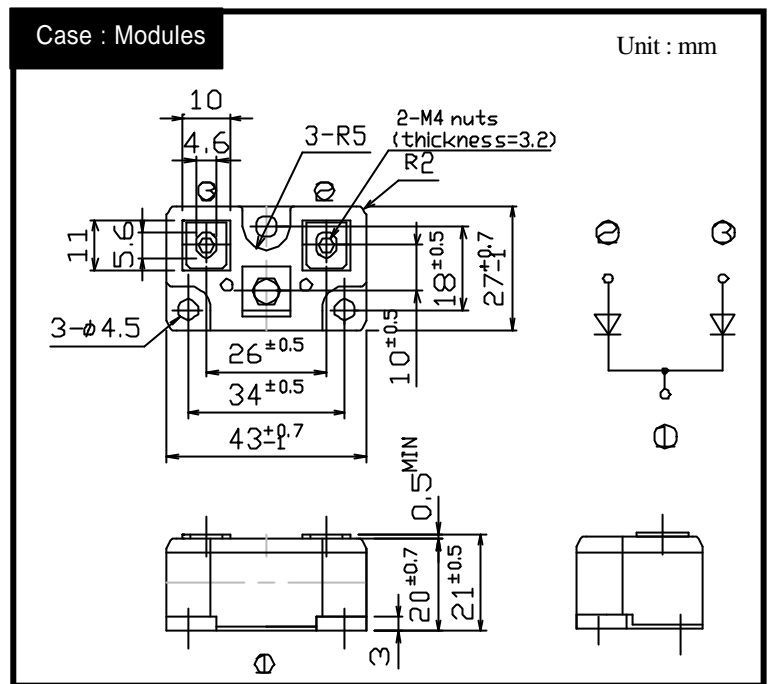
### FEATURES

- High capacity modules
- Low VF
- Small jc

### APPLICATION

- Big switching power supply
- DC/DC converter
- Mainframe
- IC tester

### OUTLINE DIMENSIONS



### RATINGS

Absolute Maximum Ratings (If not specified Tc=25 )

Item	Symbol	Conditions	Ratings	Units
Storage Temperature	Tstg		-40 ~ 125	
Operating Junction Temperature	Tj		125	
Maximum Reverse Voltage	V <sub>RM</sub>		40	V
Repetitive Peak Surge Reverse Voltage	V <sub>RRSM</sub>	Pulse width 100ms, duty 1/100	48	V
Average Rectified Forward Current	I <sub>O</sub>	50Hz sine wave, R-load, Rating for each diode I <sub>O</sub> /2, Tc=90	120	A
Peak Surge Forward Current	I <sub>FSM</sub>	50Hz sine wave, Non-repetitive 1cycle peak value, Rating of per diode Tj=125	800	A
Mounting Torque	TOR		1.7	N·m

Electrical Characteristics (If not specified Tc=25 )

Item	Symbol	Conditions	Ratings	Units
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =60A, Pulse measurement, Rating of per diode	Max.0.58	V
Reverse Current	I <sub>R</sub>	V <sub>R</sub> =V <sub>RM</sub> , Pulse measurement, Rating of per diode	Max.40	mA
Junction Capacitance	C <sub>j</sub>	f=1MHz, V <sub>R</sub> =10V, Rating of per diode	TYP 2.1	nF
Thermal Resistance	jc	junction to case	Max.0.34	/W
	cf	case to heatsink. Mounting torque = 1.7N·m	Max.0.12	

This datasheet has been downloaded from:

[www.DatasheetCatalog.com](http://www.DatasheetCatalog.com)

Datasheets for electronic components.



LittleDiode supplies new, hard to find or obsolete electronic components and semiconductors all over the world.

With over two million different components listed you are sure to find the part you need.

Feel free to visit us today at our online store:

[LittleDiode.com](http://LittleDiode.com)

Looking forward to providing you with the best possible service.