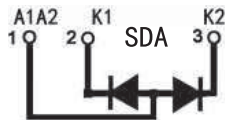
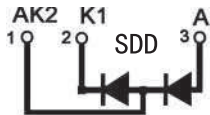


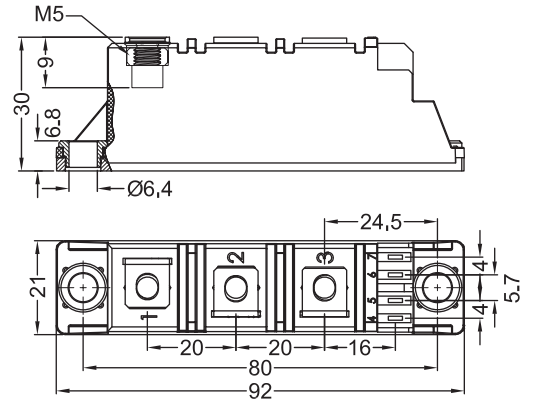
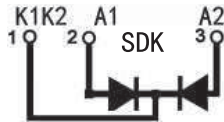
# SDD/SDA/SDK100NXXB

## Diode-Diode Modules

□olerance:±0.5mm  
Dimensions in mm (1mm=0.0394")



Type	V <sub>RSM</sub> V	V <sub>RRM</sub> V
SDD100N08B	900	800
SDD100N12B	1300	1200
SDD100N14B	1500	1400
SDD100N16B	1700	1600
SDD100N18B	1900	1800



Symbol	Test Conditions	Maximum Ratings	Unit
I <sub>FRMS</sub> I <sub>FAVM</sub>	T <sub>VJ</sub> =T <sub>VJM</sub> T <sub>C</sub> =100°C; 180° sine	180 100	A
I <sub>FSM</sub>	T <sub>VJ</sub> =45°C V <sub>R</sub> =0 t=10ms (50Hz), sine t=8.3ms (60Hz), sine	1700 1950	A
	T <sub>VJ</sub> =T <sub>VJM</sub> V <sub>R</sub> =0 t=10ms(50Hz), sine t=8.3ms(60Hz), sine	1540 1800	
∫ <sub>i</sub> <sup>2</sup> dt	T <sub>VJ</sub> =45°C V <sub>R</sub> =0 t=10ms (50Hz), sine t=8.3ms (60Hz), sine	14450 15700	A <sup>2</sup> s
	T <sub>VJ</sub> =T <sub>VJM</sub> V <sub>R</sub> =0 t=10ms(50Hz), sine t=8.3ms(60Hz), sine	11850 13400	
T <sub>VJ</sub> T <sub>VJM</sub> T <sub>stg</sub>		-40...+150 150 -40...+125	°C
V <sub>ISOL</sub>	50/60Hz, RMS I <sub>ISOL</sub> ≤1mA t=1min t=1s	3000 3600	V~
M <sub>d</sub>	Mounting torque (M5) Terminal connection torque (M5)	2.5-4/22-35 2.5-4/22-35	Nm/lb.in.
Weight	Typ.	105	g

# SDD/SDA/SDK100NXXB

## Diode-Diode Modules

Symbol	Test Conditions	Characteristic Values	Unit
<b>I<sub>R</sub></b>	T <sub>VJ</sub> =T <sub>VJM</sub> ; V <sub>R</sub> =V <sub>R<sub>RM</sub></sub>	15	mA
<b>V<sub>F</sub></b>	I <sub>F</sub> =300A; T <sub>VJ</sub> =25°C	1.5	V
<b>V<sub>TO</sub></b>	For power-loss calculations only	0.8	V
<b>r<sub>T</sub></b>	T <sub>VJ</sub> =T <sub>VJM</sub>	2.3	mΩ
<b>Q<sub>S</sub></b>	T <sub>VJ</sub> =125°C; I <sub>F</sub> =50A; -di/dt=3A/us	170	uC
<b>I<sub>RM</sub></b>		45	A
<b>R<sub>thJC</sub></b>	per diode; DC current per module	0.35 0.175	K/W
<b>R<sub>thJK</sub></b>	per diode; DC current per module	0.55 0.275	K/W
<b>d<sub>s</sub></b>	Creepage distance on surface	12.7	mm
<b>d<sub>A</sub></b>	Strike distance through air	9.6	mm
<b>a</b>	Maximum allowable acceleration	50	m/s <sup>2</sup>

### FEATURES

- \* International standard package
- \* Copper base plate
- \* Glass passivated chips
- \* Isolation voltage 3600 V~
- \* UL file NO.310749
- \* RoHs compliant

### APPLICATIONS

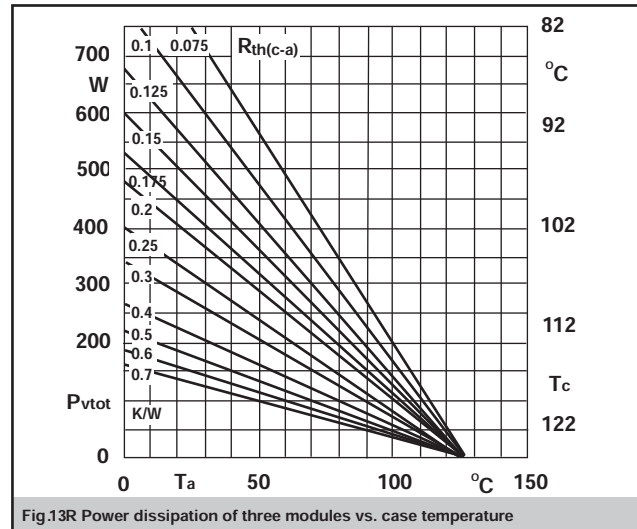
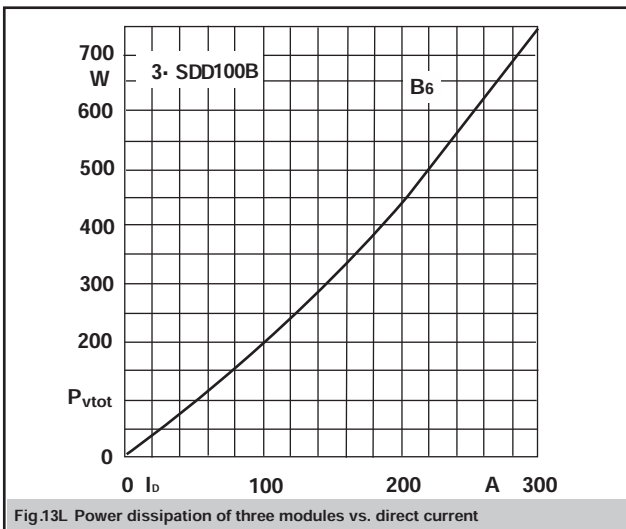
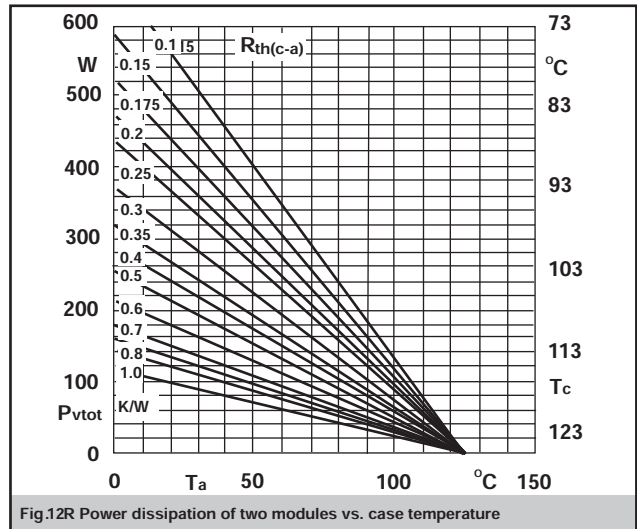
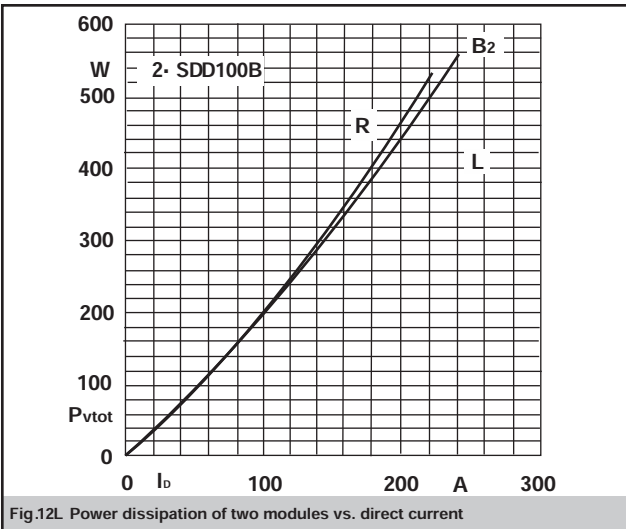
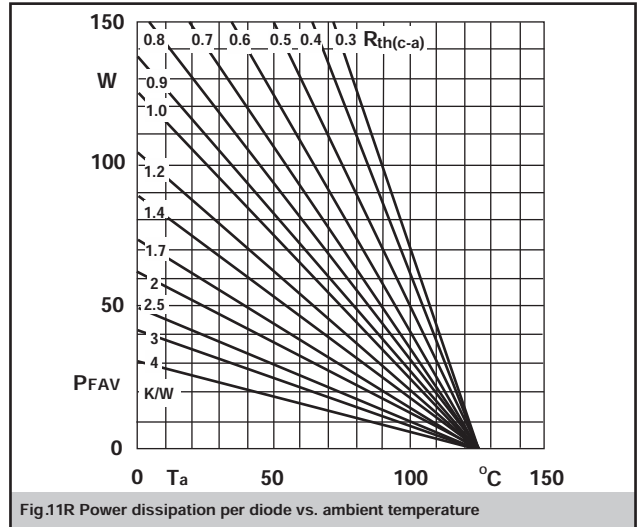
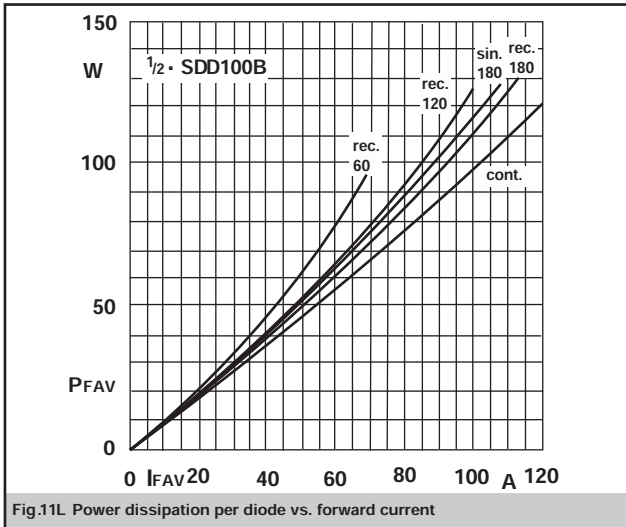
- \* Supplies for DC power equipment
- \* DC supply for PWM inverter
- \* Field supply for DC motors
- \* Battery DC power supplies

### ADVANTAGES

- \* Space and weight savings
- \* Simple mounting
- \* Improved temperature and power cycling
- \* Reduced protection circuits

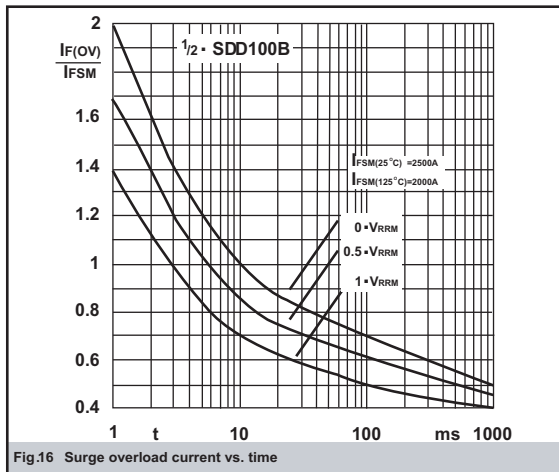
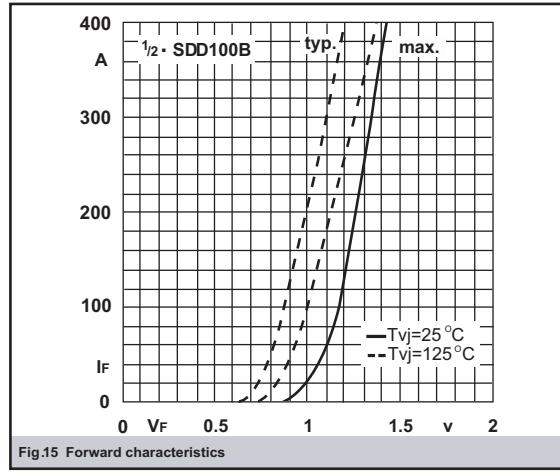
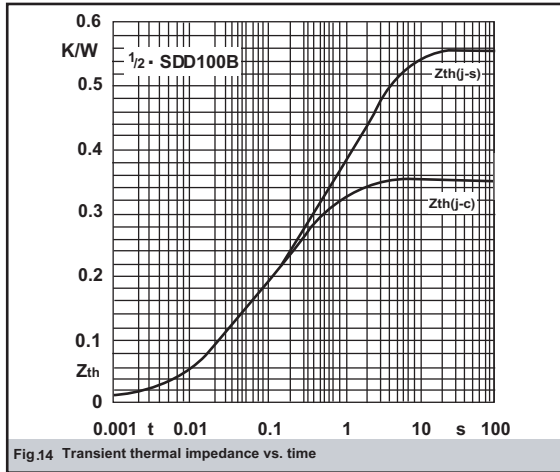
# SDD/SDA/SDK100NXXB

## Diode-Diode Modules



# SDD/SDA/SDK100NXXB

## Diode-Diode Modules



## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Discrete Semiconductor Modules](#) category:*

*Click to view products by [Sirectifier](#) manufacturer:*

Other Similar products are found below :

[M252511FV](#) [DD260N12K-A](#) [DD285N02K](#) [DD380N16A](#) [DD89N1600K-A](#) [APT2X21DC60J](#) [B522F-2-YEC](#) [MSTC90-16](#) [ND104N16K](#)  
[25.163.0653.1](#) [25.163.2453.0](#) [25.163.4253.0](#) [25.190.2053.0](#) [25.194.3453.0](#) [25.320.4853.1](#) [25.320.5253.1](#) [25.326.3253.1](#) [25.326.3553.1](#)  
[25.330.1653.1](#) [25.330.4753.1](#) [25.330.5253.1](#) [25.334.3253.1](#) [25.334.3353.1](#) [25.350.2053.0](#) [25.352.4753.1](#) [25.522.3253.0](#) [T483C](#) [T484C](#)  
[T485F](#) [T485H](#) [T512F-YEB](#) [T513F](#) [T514F](#) [T554](#) [T612FSE](#) [25.161.3453.0](#) [25.179.2253.0](#) [25.194.3253.0](#) [25.325.1253.1](#) [25.326.4253.1](#)  
[25.330.0953.1](#) [25.332.4353.1](#) [25.350.1653.0](#) [25.350.2453.0](#) [25.352.1453.0](#) [25.352.1653.0](#) [25.352.2453.0](#) [25.352.5453.1](#) [25.522.3353.0](#)  
[25.602.4053.0](#)