

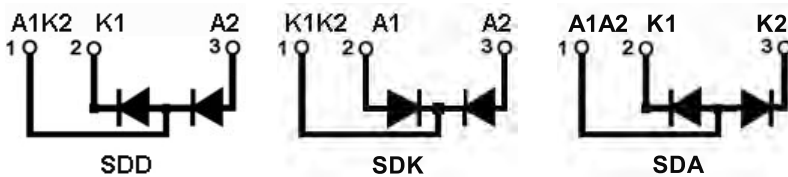
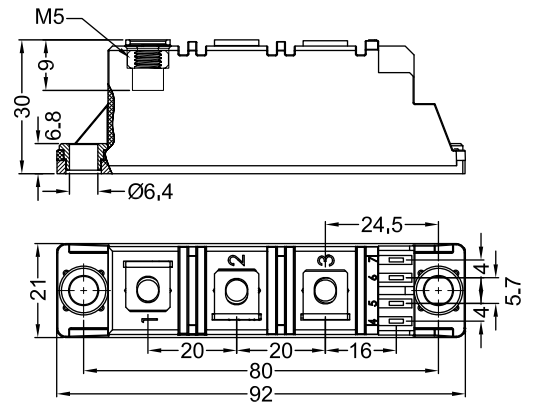
SDD1&0NXXB

Diode-Diode Modules



| Type | V _{RSM} V | V _{RRM} V |
|------------|-----------------------|-----------------------|
| SDD120N08B | 900 | 800 |
| SDD120N12B | 1300 | 1200 |
| SDD120N14B | 1500 | 1400 |
| SDD120N16B | 1700 | 1600 |
| SDD120N18B | 1900 | 1800 |
| SDD120N20B | 2100 | 2000 |
| SDD120N22B | 2300 | 2200 |

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



| Symbol | Test Conditions | Maximum Ratings | Unit |
|---|---|---------------------------------|------------------|
| I _{FRMS} I _{FAVM} | T _{VJ} =T _{VJM} T _C =100°C; 180° sine | 188 120 | A |
| I _{FSM} | T _{VJ} =45°C V _R =0 t=10ms (50Hz), sine t=8.3ms (60Hz), sine | 2800 3300 | A |
| | T _{VJ} =T _{VJM} V _R =0 t=10ms(50Hz), sine t=8.3ms(60Hz), sine | 2500 2750 | |
| ∫i ² dt | T _{VJ} =45°C V _R =0 t=10ms (50Hz), sine t=8.3ms (60Hz), sine | 39200 45000 | A ² s |
| | T _{VJ} =T _{VJM} V _R =0 t=10ms(50Hz), sine t=8.3ms(60Hz), sine | 31200 31300 | |
| T _{VJ} T _{VJM} T _{stg} | | -40...+150 150 -40...+125 | °C |
| V _{ISOL} | 50/60Hz, RMS I _{ISOL} ≤1mA t=1min t=1s | 3000 3600 | V~ |
| M _d | Mounting torque (M5) Terminal connection torque (M5) | 2.5-4/22-35 2.5-4/22-35 | Nm/lb.in. |
| Weight | Typ. | 105 | g |

Sirectifier[®]

www.sirectifier.com

SDD1&0NXXB

Diode-Diode Modules

| Symbol | Test Conditions | Characteristic Values | Unit |
|-------------------------|--|-----------------------|------------------|
| I_R | T _{VJ} =T _{VJM} ; V _R =V _{RRM} | 15 | mA |
| V_F | I _F =360A; T _{VJ} =25°C | 1.63 | V |
| V_{To} | For power-loss calculations only | 0.75 | V |
| r_T | T _{VJ} =T _{VJM} | 1.95 | Ω |
| Q_s | T _{VJ} =125°C; I _F =50A; -di/dt=3A/us | 170 | uC |
| I_{RM} | | 45 | A |
| R_{thJC} | per diode; DC current per module | 0.30 0.145 | K/W |
| R_{thJK} | per diode; DC current per module | 0.50 0.245 | K/W |
| ds | Creepage distance on surface | 12.7 | mm |
| dA | Strike distance through air | 9.6 | mm |
| a | Maximum allowable acceleration | 50 | m/s ² |

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

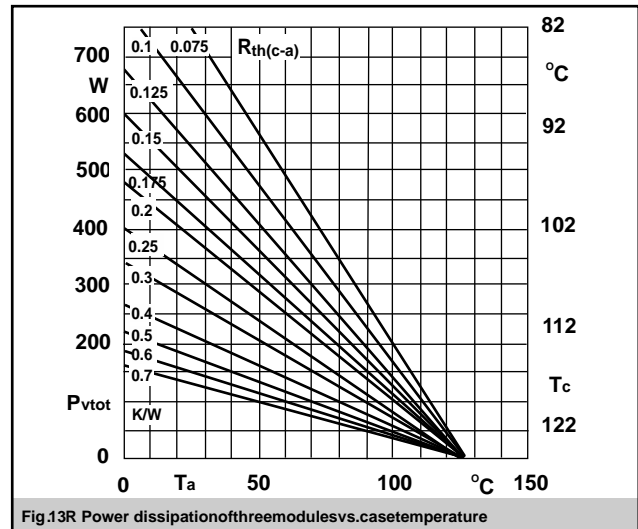
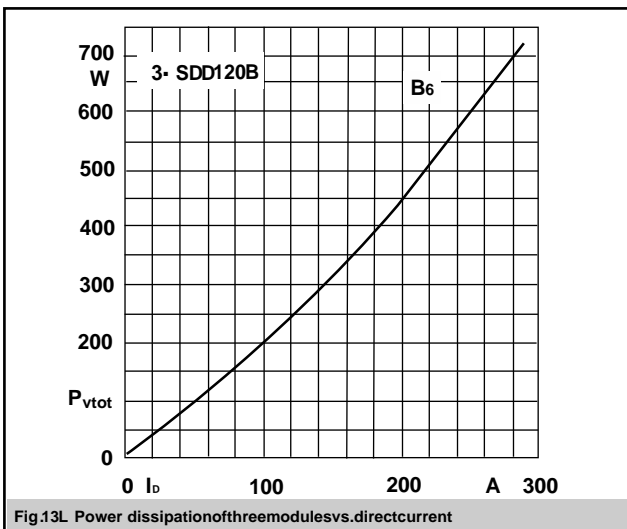
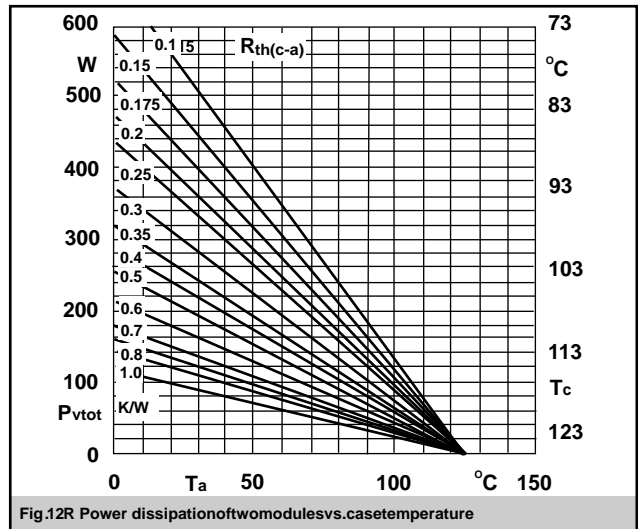
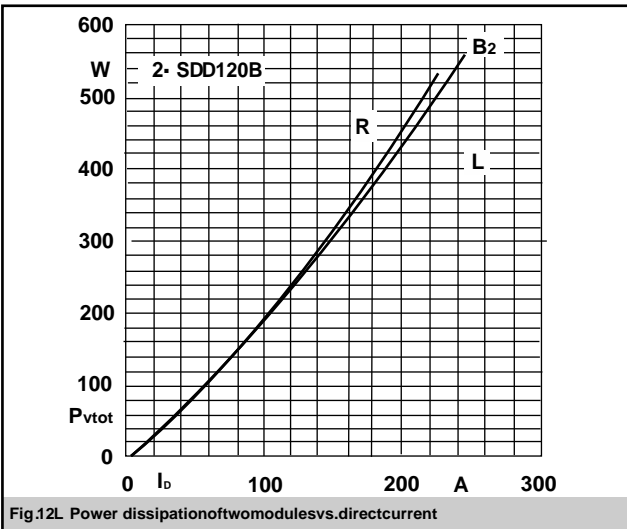
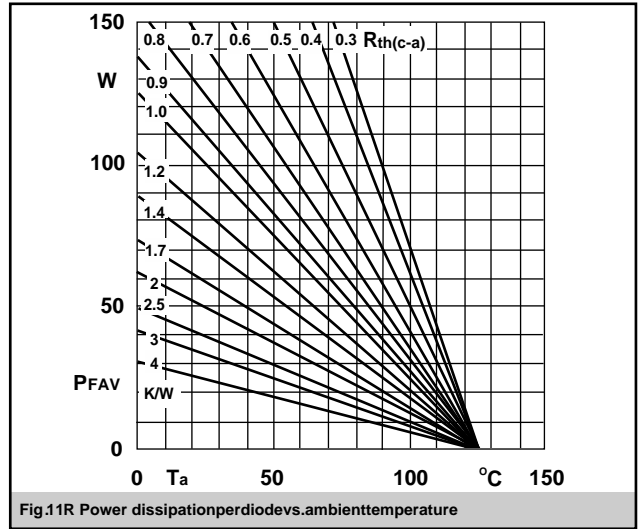
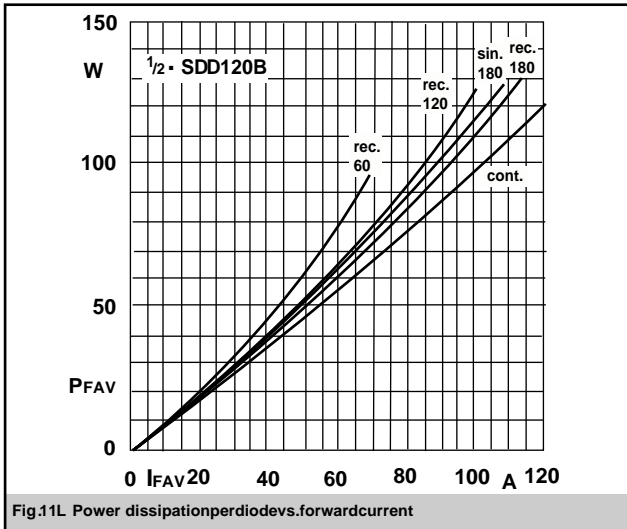
- * Space and weight savings
- * Simple mounting
- * Improved temperature and power cycling
- * Reduced protection circuits

Sirectifier[®]

www.sirectifier.com

SDD120NXXB

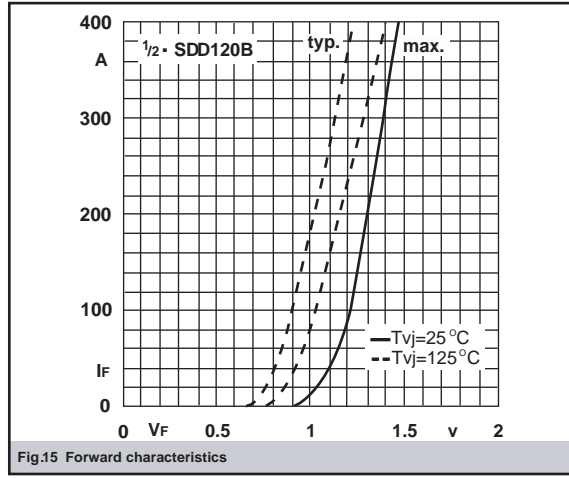
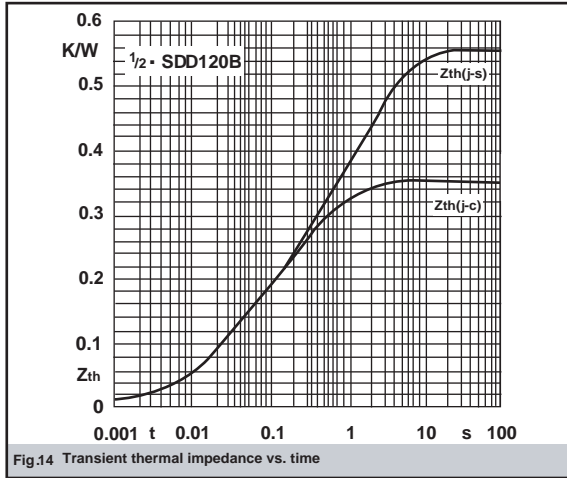
Diode-Diode Modules



www.sirectifier.com

SDD1&0NXXB

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](#)