

# GBD10 Oring Diode Package

- Decoupling Diode to produce redundant applications or to decouple power sources from each other as well as from the load
- Input/Output Voltage: 10VDC to 90VDC or -10V to -90V
- Input/Output Current: 0 – 10 ADC
- Chassis Mount or DIN Rail Mount
- Compact small size fully encapsulated



## Model Selection Table

Model Number	Description
GBD10	Oring Diode Package Input: 2 x 10VDC to 90VDC 0-10A Output: 1 x 10V to 90VDC 0-10A
GBDR10	Oring Diode Package Input: 2 x -10VDC to -90VDC 0-10A Output: 1 x -10V to -90VDC 0-10A for positive ground/earth systems
GBDFR-10A	Decoupling Diode Package Input: +/- 10-60V Output: +/- 10-60V 5A Din Rail Mount Encapsulated
GBDFR-10A-150V	Decoupling Diode Package Input: +/- 10-150V 10A Output: +/- 10-150V 10A Encapsulated

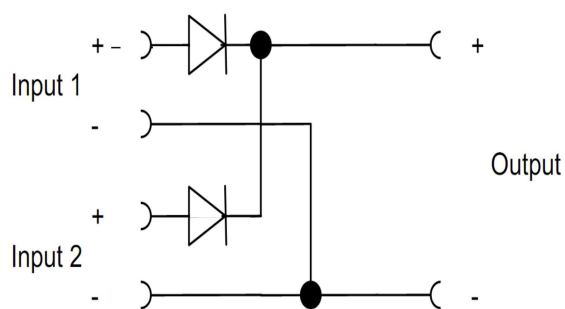
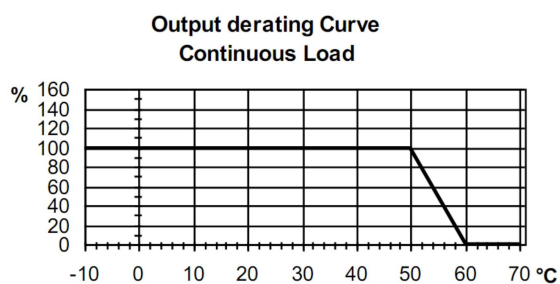
## Description

The decoupling module is a dual input diode with 2 inputs and one output, suitable for various applications such as to produce redundant applications to decouple power sources from each other as well as from the loads e.g. separation of sensitive loads from the power bus, design buffered branches and block reverse power. There are two models one for standard negative earth systems and the second for +Ve earth systems.

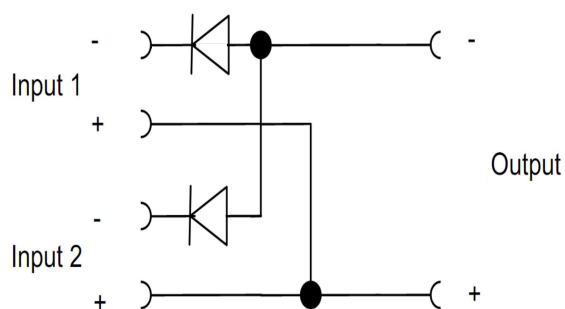
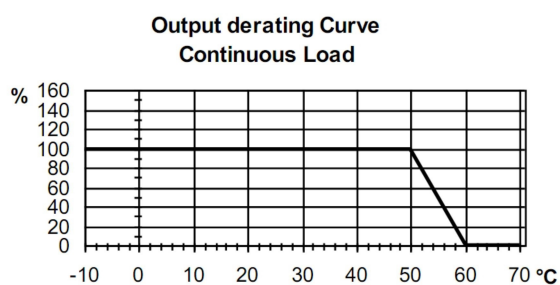
## Specifications

Input V1 and V2	10VDC to 90VDC 0-10A or -10V to -90VDC 0-10A
Output Vo	Vin - 0.9V 0-10A
Operating Temperature Range	-20°C to 70°C derate 2.5% / °C above 50°C
Storage Temperature Range	-40°C to 85°C
Connection terminal	Screw terminals 2.5mm
Dimensions	110 x 65 x 13mm
Weight	0.3Kg approx.

## Connection Diagram for the GBD10



## Connection Diagram for the GBDR10



## Connection Diagram for the GBDFR10

