

## Explore MCC's Newest 1000V Fast Recovery Bridge Rectifiers

### 1000V FAST RECOVERY BRIDGE RECTIFIERS



#### Features

- Glass-Passivated Chip Junction
- Fast Reverse Recovery Time (<500ns)
- High Surge Forward Current Capability
- SMT-Compatible TBSG Package



#### Benefits

Enhanced thermal stability and long-term reliability, even in harsh conditions.

Minimized switching losses and boosted efficiency in high-frequency power conversion applications.

Robust protection against power surges, ensuring durability and performance in transient-heavy environments.

Optimized for automated placement, saving board space while improving thermal performance.

#### Applications



Factory  
automation  
equipment



LED  
lighting  
drivers

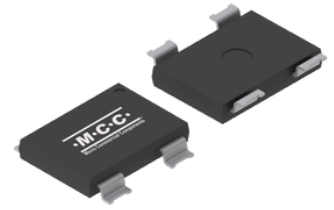


Smart  
home  
devices



## Fast Reverse Recovery Times Below 500 ns Significantly Reduce Switching Losses

# Optimized VF of 1.3V & Low Thermal Resistance Enable Superior Current Handling



## Product Attributes, Parametrics & Datasheets

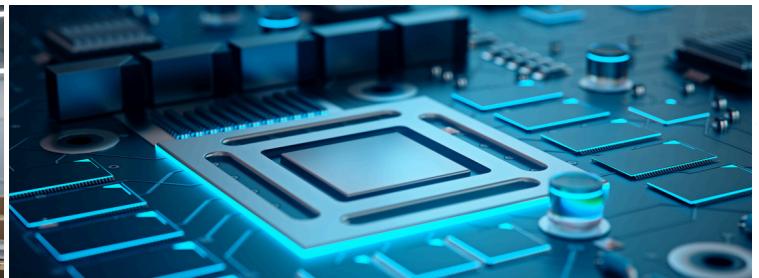
| Product                            | Type                     | Package | IF(AV)(A) | VRWM(V) | Datasheet                   |
|------------------------------------|--------------------------|---------|-----------|---------|-----------------------------|
| <a href="#"><u>RTBSA20M-TP</u></a> | 1-Phase Bridge Rectifier | TBSG    | 2         | 1000    | <a href="#"><u>Info</u></a> |
| <a href="#"><u>RTBSA30M-TP</u></a> | 1-Phase Bridge Rectifier | TBSG    | 3         | 1000    | <a href="#"><u>Info</u></a> |
| <a href="#"><u>RTBSA40M-TP</u></a> | 1-Phase Bridge Rectifier | TBSG    | 4         | 1000    | <a href="#"><u>Info</u></a> |
| <a href="#"><u>RTBSA60M-TP</u></a> | 1-Phase Bridge Rectifier | TBSG    | 6         | 1000    | <a href="#"><u>Info</u></a> |

## Applications:



### Industrial & Automation

- Motor drivers and controllers
- DC-DC converters
- Industrial control systems
- Power factor correction
- Factory automation equipment



### Consumer Electronics

- Home appliance power supplies
- LED lighting drivers
- Smart home devices
- Audio amplifiers

**CONTACT MCC TO REQUEST A SAMPLE**

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