

**HIGH-VOLTAGE BRIDGE RECTIFIERS****Features**

- 25 A / 35 A ratings (PBA2510, PBA3516)
- 1000 V / 1600 V options
- 4 mm creepage PB-A package
- Glass-passivated, low leakage
- High thermal conductivity
- Strong surge capability
- Low forward voltage drop
- Low thermal resistance

**Benefits**

**Higher efficiency:** Lower  $V_f$  cuts  $I \times V$  losses; low leakage trims standby draw; less heat enables smaller heatsinks and boosts overall SMPS/UPS efficiency.

**Greater reliability:** >4 mm creepage resists tracking; glass passivation stabilizes reverse behavior; superior thermal path lowers  $T_j$ ; robust surge capacity survives inrush and AC transients.

**Applications**

Motor drives  
front-end  
rectification

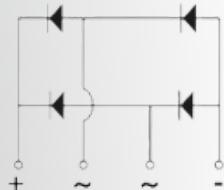
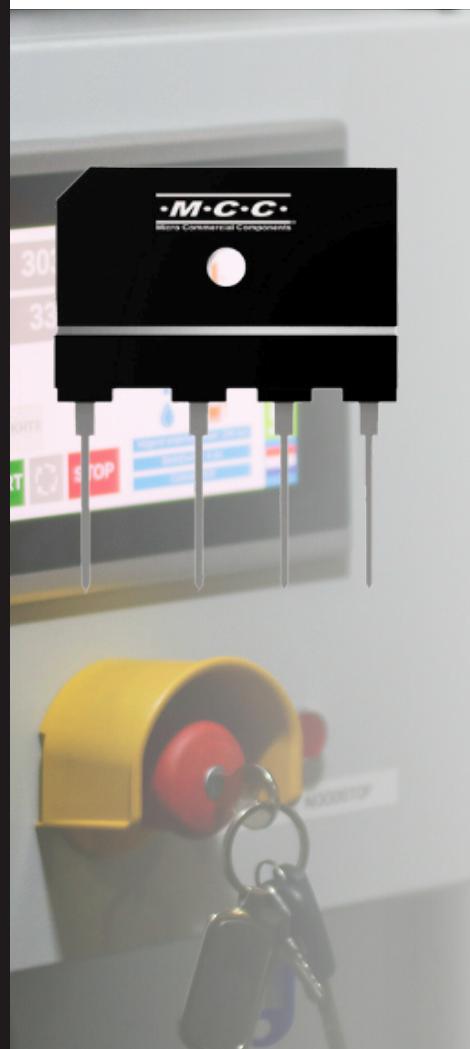


EV charging  
station



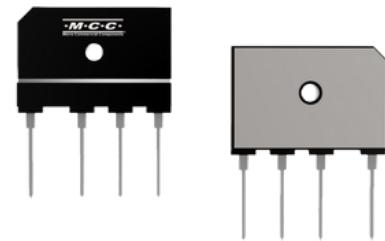
Audio  
amplifiers

# High-Voltage PB-A Bridge Rectifiers: 1000V/1600V, 25A/35A



**PB-A Series:**  
**>4 mm Creepage,**  
**Glass-Passivated,**  
**Surge-Ready**

# Cooler, Safer, Stronger: 25/35 A, 1000/1600 V Bridge Solutions



## Product Attributes, Parametrics & Datasheets

Product	Type	Package	Drain-Source Voltage VDS	Pulse Drain Current	Drain-Source On-Resistance RDS (on) Max @10V	Mounting Type	Datasheet
<a href="#">PBA2510</a>	Bridge Rectifiers	PB-A	1-Phase Bridge	25	1000	Through Hole	<a href="#">Info</a>
<a href="#">PBA3516</a>	Bridge Rectifiers	PB-A	1-Phase Bridge	35	1600	Through Hole	<a href="#">Info</a>

## Applications



Industrial and Manufacturing	Energy and Infrastructure	Commercial and Pro AV	Transportation
<ul style="list-style-type: none"> <li>AC to DC converters for factory automation and control panels</li> <li>UPS systems for production lines and CNC machinery</li> <li>Battery chargers for AGVs and forklifts</li> <li>Welding machines and industrial power supplies</li> <li>Motor drives front-end rectification</li> </ul>	<ul style="list-style-type: none"> <li>Energy storage systems (ESS) front-end rectifiers</li> <li>Inverters for microgrids and power conditioning</li> <li>UPS for data centers and telecom</li> <li>EV charging station AC front ends</li> <li>Emergency lighting and building backup power</li> </ul>	<ul style="list-style-type: none"> <li>SMPS for LED drivers and large signage</li> <li>Audio amplifiers and broadcast equipment power supplies</li> <li>HVAC controllers and building automation</li> </ul>	<ul style="list-style-type: none"> <li>Battery chargers and shore power converters</li> <li>UPS for navigation and communication</li> <li>Onboard AC/DC converters for rail and heavy vehicles</li> </ul>

**CONTACT MCC TO REQUEST A SAMPLE**

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