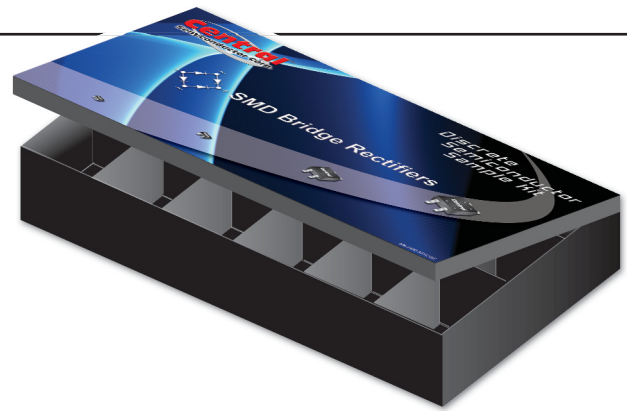


# Discrete Semiconductor Sample Kit

## Bridge Rectifiers

Central Semiconductor sample kits provide designers with the discrete semiconductor devices ideal for their latest design challenges. This sample kit include examples of Central Semiconductor devices most commonly used in applications that require full wave rectification.



### Included in this kit:

<b>CMKBR-6F</b> Bridge Rectifier 60V, 140mA $V_F = 1.0V$ $I_R = 10nA$ SOT-363 Marking Code: CBR3	<b>CBRHD-04</b> Bridge Rectifier 400V, 500mA $V_F = 1.0V$ $I_R = 5.0\mu A$ HD DIP Marking Code: CBD4	<b>CBR1-D040S</b> Bridge Rectifier 400V, 1.0A $V_F = 1.1V$ $I_R = 10\mu A$ SMDIP Marking Code: Full P/N	<b>CBR1F-D020S</b> Fast Recovery Bridge 200V, 1.0A $V_F = 1.3V, t_{rr} = 200ns$ $I_R = 5.0\mu A$ SMDIP Marking Code: Full P/N	<b>CBR1U-D020S</b> Ultra Fast Recovery 200V, 1.0A $V_F = 1.05V, t_{rr} = 50ns$ $I_R = 5.0\mu A$ SMDIP Marking Code: Full P/N	<b>CBRHDSH2-40</b> Schottky Bridge 40V, 2.0A $V_F = 0.45V$ (typ) $I_R = 20\mu A$ (typ) HD DIP Marking Code: CSH2
<b>CMFBR-6F</b> Bridge Rectifier 60V, 140mA $V_F = 1.0V$ $I_R = 10nA$ SOT-143 Marking Code: CBR2	<b>CBRHD-10</b> Bridge Rectifier 1000V, 500mA $V_F = 1.0V$ $I_R = 5.0\mu A$ HD DIP Marking Code: CBD10	<b>CBR1-D080S</b> Bridge Rectifier 800V, 1.0A $V_F = 1.1V$ $I_R = 10\mu A$ SMDIP Marking Code: Full P/N	<b>CBR1F-D040S</b> Fast Recovery Bridge 400V, 1.0A $V_F = 1.3V, t_{rr} = 200ns$ $I_R = 5.0\mu A$ SMDIP Marking Code: Full P/N	<b>CBRHDSH1-40L</b> Schottky Bridge 40V, 1.0A $V_F = 0.36V$ (typ) $I_R = 20\mu A$ (typ) HD DIP Marking Code: CSH1	<b>CBRHDSH2-100</b> Schottky Bridge 100V, 2.0A $V_F = 0.61V$ (typ) $I_R = 0.7\mu A$ (typ) HD DIP Marking Code: CSH10
<b>CBRHD-02</b> Bridge Rectifier 200V, 500mA $V_F = 1.0V$ $I_R = 5.0\mu A$ HD DIP Marking Code: CBD2	<b>CBR1-D020S</b> Bridge Rectifier 200V, 1.0A $V_F = 1.1V$ $I_R = 10\mu A$ SMDIP Marking Code: Full P/N	<b>CBR1-D100S</b> Bridge Rectifier 1000V, 1.0A $V_F = 1.1V$ $I_R = 10\mu A$ SMDIP Marking Code: Full P/N	<b>CBR1U-D010S</b> Ultra Fast Recovery 100V, 1.0A $V_F = 1.05V, t_{rr} = 50ns$ $I_R = 5.0\mu A$ SMDIP Marking Code: Full P/N	<b>CBRHDSH1-100</b> Schottky Bridge 100V, 1.0A $V_F = 0.65V$ (typ) $I_R = 0.1\mu A$ (typ) HD DIP Marking Code: CSH110	<b>CBRSDSH5-40</b> Schottky Bridge 40V, 5.0A $V_F = 0.37V$ (typ) $I_R = 40\mu A$ (typ) SMDIP Marking Code: Full P/N

Datasheets for the devices contained in this sample kit can be found at:  
[www.centrasemi.com/engineering/samplekits](http://www.centrasemi.com/engineering/samplekits)

For a complete listing of products  
 manufactured by Central Semiconductor Corp., please visit  
[www.centrasemi.com](http://www.centrasemi.com)

or call

**631-435-1110**

and an experienced and knowledgeable account  
 representative will gladly provide assistance.

## OUTSTANDING SUPPORT AND SUPERIOR SERVICES



---

### PRODUCT SUPPORT

Central's operations team provides the highest level of support to insure product is delivered on-time.

- Supply management (Customer portals)
- Inventory bonding
- Consolidated shipping options
- Custom bar coding for shipments
- Custom product packing

---

### DESIGNER SUPPORT/SERVICES

Central's applications engineering team is ready to discuss your design challenges. Just ask.

- Free quick ship samples (2<sup>nd</sup> day air)
- Online technical data and parametric search
- SPICE models
- Custom electrical curves
- Environmental regulation compliance
- Customer specific screening
- Up-screening capabilities
- Special wafer diffusions
- PbSn plating options
- Package details
- Application notes
- Application and design sample kits
- Custom product and package development

---

### REQUESTING PRODUCT PLATING

1. If requesting Tin/Lead plated devices, add the suffix "TIN/LEAD" to the part number when ordering (example: 2N2222A TIN/LEAD).
2. If requesting Lead (Pb) Free plated devices, add the suffix "PBFREE" to the part number when ordering (example: 2N2222A PBFREE).

---

### CONTACT US

#### Corporate Headquarters & Customer Support Team

Central Semiconductor Corp.  
145 Adams Avenue  
Hauppauge, NY 11788 USA  
Main Tel: (631) 435-1110  
Main Fax: (631) 435-1824  
Support Team Fax: (631) 435-3388  
[www.centrasemi.com](http://www.centrasemi.com)

**Worldwide Field Representatives:**  
[www.centrasemi.com/wwreps](http://www.centrasemi.com/wwreps)

**Worldwide Distributors:**  
[www.centrasemi.com/wwdistributors](http://www.centrasemi.com/wwdistributors)

---

For the latest version of Central Semiconductor's **LIMITATIONS AND DAMAGES DISCLAIMER**, which is part of Central's Standard Terms and Conditions of sale, visit: [www.centrasemi.com/terms](http://www.centrasemi.com/terms)