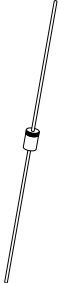
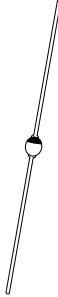
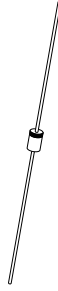


# Rectifiers, Fast Recovery

1.0 to 6.0 Amperes

50 to 1200 Volts

| $I_O$ (AMPS)      | 1.0   |   |        |           |   |
|-------------------|---|---|--------|-----------|---|
| @ $T_A$ (°C)      | 75  | 55  | 55     | 75        | 80  |
| $I_{FSM}$ (AMPS)  | 30  | 50  | 50     | 50        | 50  |
|                   |  |  |        |           |  |
| CASE              | DO-41*  | GPR-1A*   |        |           | DO-41*  |
| $V_{RRM}$ (VOLTS) |   |   |        |           |   |
| 50                | 1N4933  |   |        |           |   |
| 100               | 1N4934  |   |        | CPR1F-010 | CR1F-010  |
| 200               | 1N4935  | 1N4942  | 1N5615 | CPR1F-020 | CR1F-020  |
| 400               | 1N4936  | 1N4944  | 1N5617 | CPR1F-040 | CR1F-040  |
| 600               | 1N4937  | 1N4946  | 1N5619 | CPR1F-060 | CR1F-060  |
| 800               |   | 1N4947  | 1N5621 | CPR1F-080 | CR1F-080  |
| 1000              |   | 1N4948  | 1N5623 | CPR1F-100 | CR1F-100  |
| 1200              |   |   |        |           | CR1F-120  |

|                         |     |      |      |      |      |
|-------------------------|-----|------|------|------|------|
| $V_F$ MAX @ $I_F = I_O$ | 1.2 | 1.3V | 1.2V | 1.3V | 1.2V |
|-------------------------|-----|------|------|------|------|

|                          |             |             |             |             |             |
|--------------------------|-------------|-------------|-------------|-------------|-------------|
| $I_R$ MAX @ $V_{RRM}$    | 5.0 $\mu$ A | 1.0 $\mu$ A | 0.5 $\mu$ A | 5.0 $\mu$ A | 5.0 $\mu$ A |
| $t_{rr}$ (50V thru 400V) | 200ns       | 150ns       | 150ns       | 200ns       | 150ns       |
| $t_{rr}$ (600V)          | 200ns       | 250ns       | 250ns       | 200ns       | 150ns       |
| $t_{rr}$ (800V)          |             | 250ns       | 300ns       | 300ns       | 500ns       |
| $t_{rr}$ (1000V)         |             | 500ns       | 500ns       | 500ns       | 500ns       |
| $t_{rr}$ (1200V)         |             |             |             |             | 500ns       |

\* Also available in DO-41SP Case (0.6mm lead diameter) with Radial Tape and Reel (DO-41SP-RPCU).

## 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)