

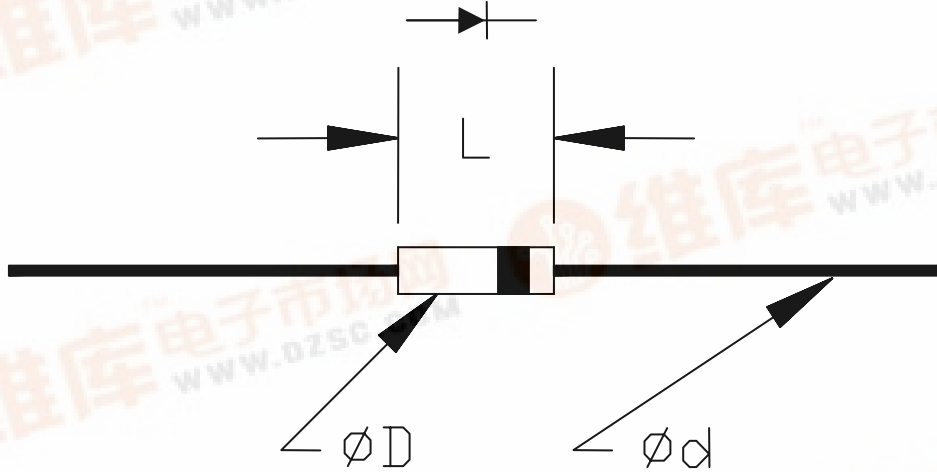


### FEATURES

- Low Reverse Leakage Current
- Avalanche Grade Construction
- Plastic Material – UL Recognition  
Flammability Classification 94V-0

### Mechanical Data

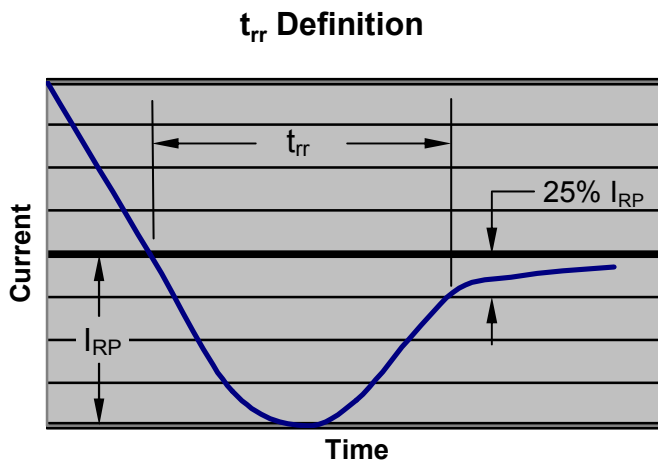
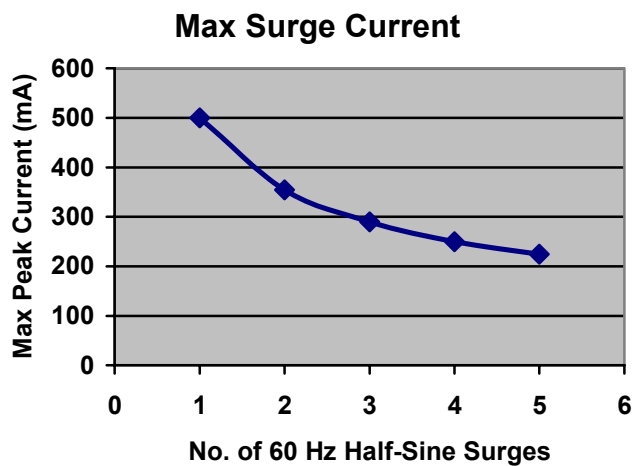
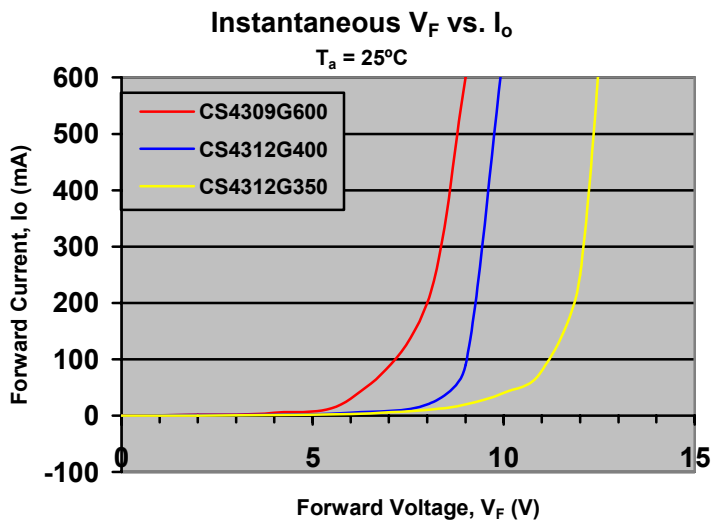
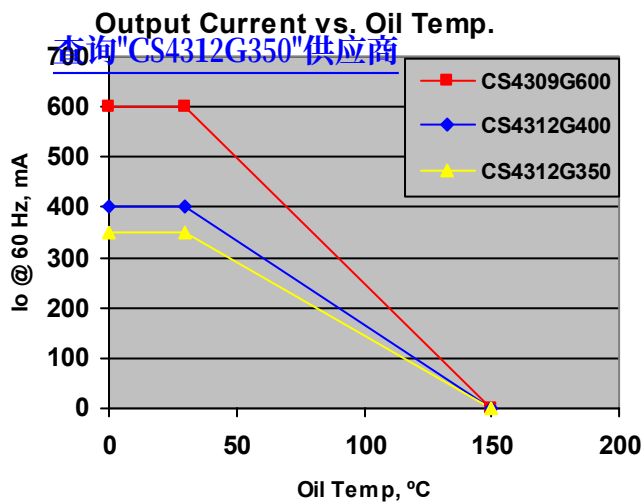
- Case: Molded Resin
- Leads: Plated Copper
- Polarity: Indicated by Cathode Stripe



### Maximum Ratings & Characteristics

| Mfr's<br>Type | Max<br>$V_{RRM}$<br>kV | Max<br>$I_o(1)$<br>mA | Max<br>$I_{FSM}$<br>A | Max<br>$V_F(2)$<br>V | Max<br>$I_{RRM}$<br>$\mu A$ | Max<br>$t_{rr}(3)$<br>ns | L mm (in)<br>Body Length | D mm<br>(in)<br>Body Dia | d mm (in)<br>Lead dia |
|---------------|------------------------|-----------------------|-----------------------|----------------------|-----------------------------|--------------------------|--------------------------|--------------------------|-----------------------|
| CS4309G600    | 9                      | 600                   | 30                    | 10                   | 1.0                         | 2000                     | 15 (0.59)                | 4.5 (0.18)               | 0.80 (0.032)          |
| CS4312G400    | 12                     | 400                   | 30                    | 12                   | 1.0                         | 2000                     | 15 (0.59)                | 4.5 (0.18)               | 0.80 (0.032)          |
| CS4312G350    | 12                     | 350                   | 20                    | 14                   | 1.0                         | 600                      | 15 (0.59)                | 4.5 (0.18)               | 0.80 (0.032)          |

Notes: (1) Measured in 30°C Oil, 60 Hz (No switching losses); (2) Measured at 2 X  $I_o$ , 30°C; (3) Measured at 30°C  
Adding a "T" to the end of the Part Number designates Tape-and-Reel Packaging.



**HIGH VOLTAGE**  
POWER SYSTEMS, INC.

2542 Highlander Way  
Carrollton, TX 75006

**CS4300G Series**  
Standard Recovery High Voltage Diodes