

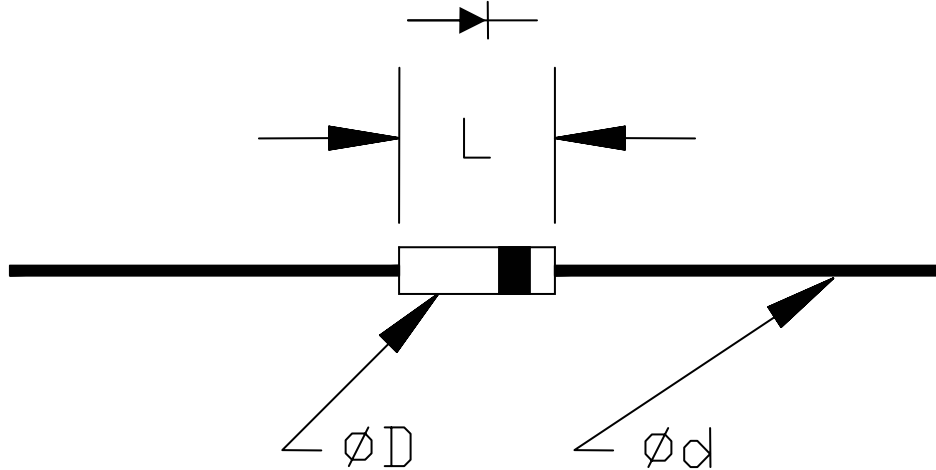


## FEATURES

- 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

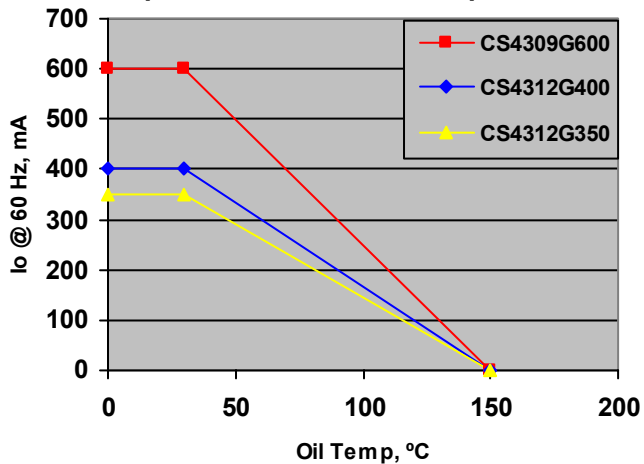


## Maximum Ratings & Characteristics

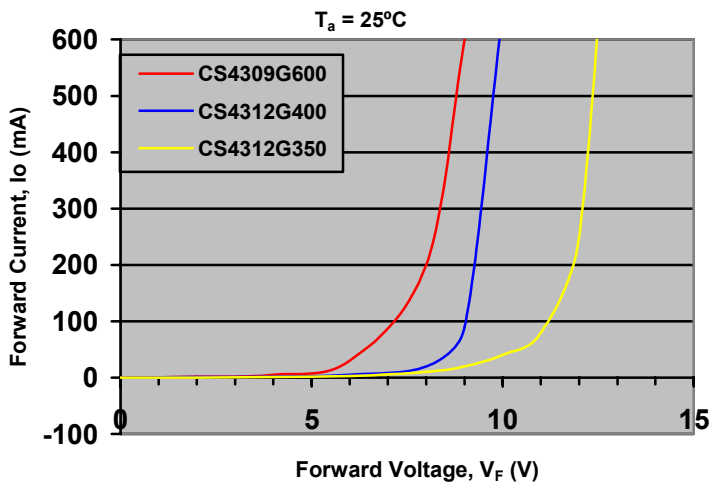
Mfr's Type	Max $V_{RRM}$ kV	Max $I_o(1)$ mA	Max $I_{FSM}$ A	Max $V_F(2)$ V	Max $I_{RRM}$ $\mu$ A	Max $t_{rr}(3)$ ns	L mm (in) Body Length	D mm (in) Body Dia	d mm (in) Lead dia
CS4309G600	9	600	30	10	1.0	2000	15 (0.59)	4.5 (0.18)	0.80 (0.032)
CS4312G400	12	400	30	12	1.0	2000	15 (0.59)	4.5 (0.18)	0.80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

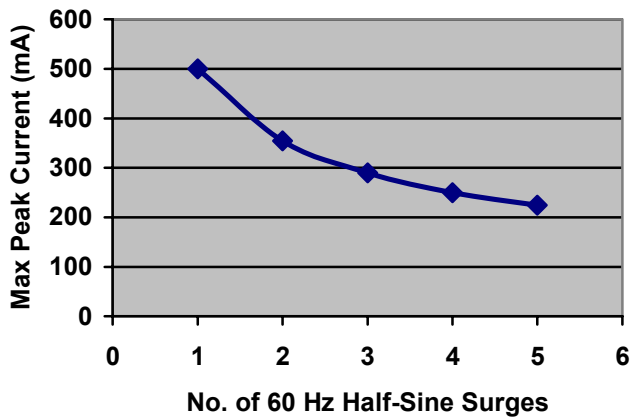
**Output Current vs. Oil Temp.**



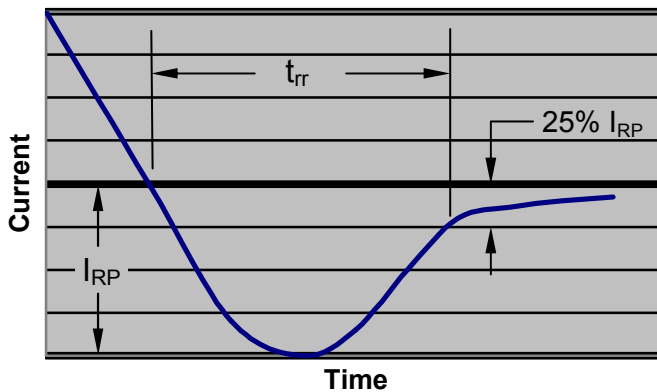
**Instantaneous  $V_F$  vs.  $I_o$**



**Max Surge Current**



**$t_{rr}$  Definition**



**HIGH VOLTAGE**  
POWER SYSTEMS, INC.

2542 Highlander Way  
Carrollton, TX 75006

**CS4300G Series**

Standard Recovery High Voltage Diodes