

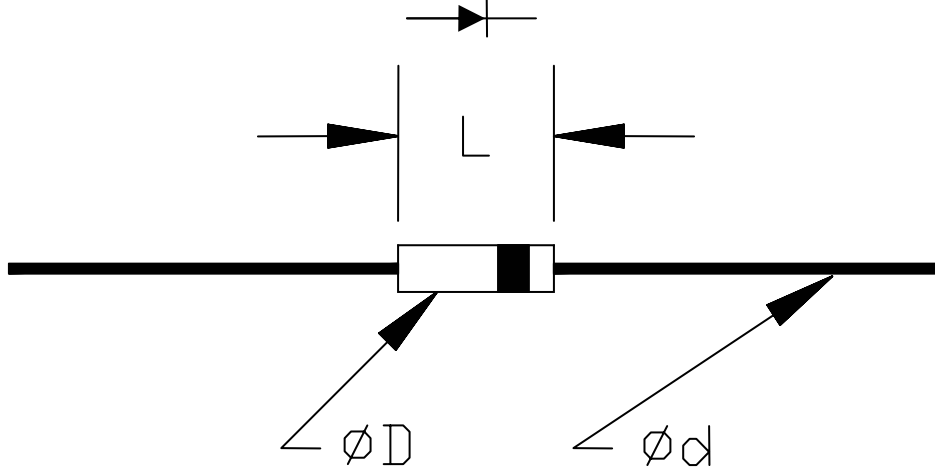


FEATURES

- 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

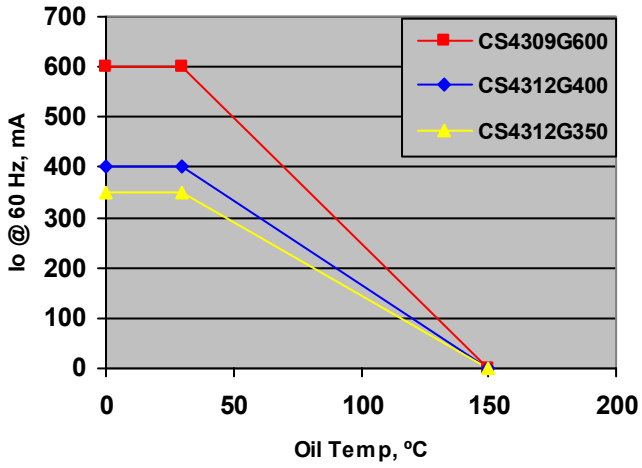


Maximum Ratings & Characteristics

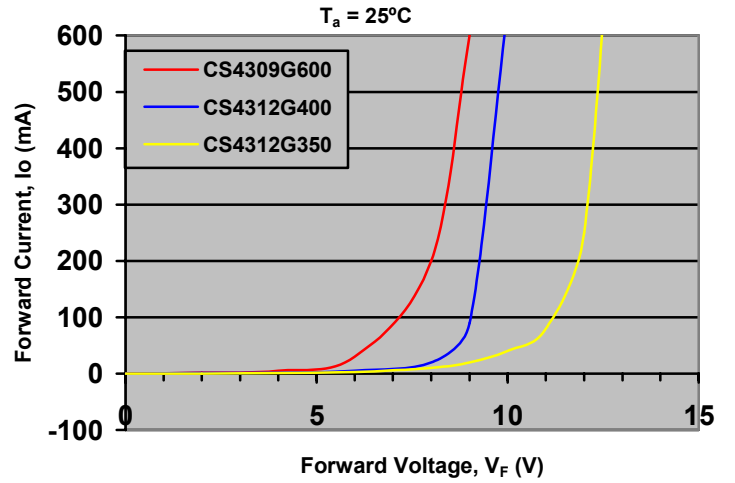
Mfr's Type	Max V_{RRM} kV	Max $I_o(1)$ mA	Max I_{FSM} A	Max $V_F(2)$ V	Max I_{RRM} μ A	Max $t_{rr}(3)$ ns	L mm (in) Body Length	D mm (in) Body Dia	d mm (in) Lead dia
CS4309G600	9	600	30	10	1.0	2000	15 (0.59)	4.5 (0.18)	0.80 (0.032)
CS4312G400	12	400	30	12	1.0	2000	15 (0.59)	4.5 (0.18)	0.80 (0.032)
CS4312G350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

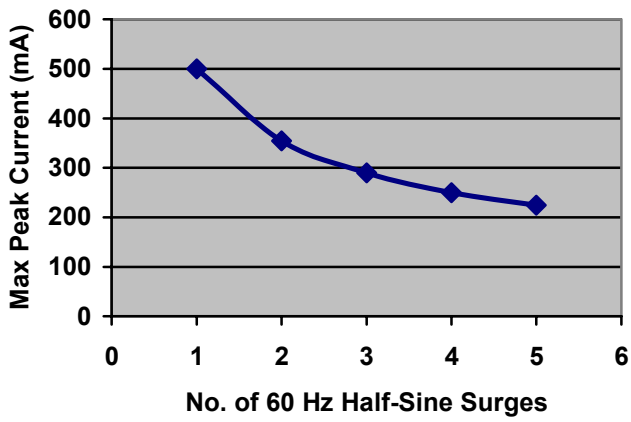
Output Current vs. Oil Temp.



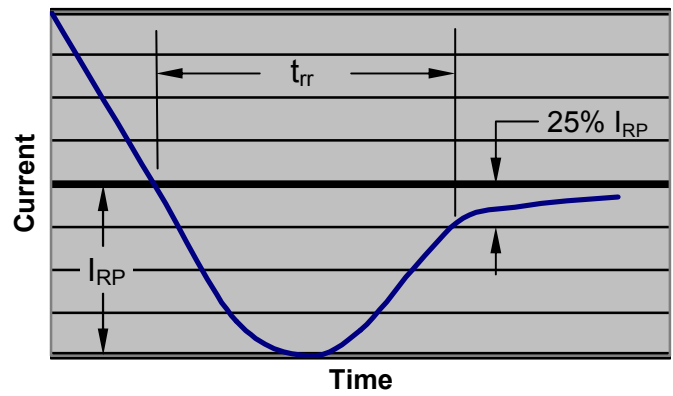
Instantaneous V_F vs. I_o



Max Surge Current



t_{rr} Definition



HIGH VOLTAGE
POWER SYSTEMS, INC.

2542 Highlander Way
Carrollton, TX 75006

CS4300G Series

Standard Recovery High Voltage Diodes