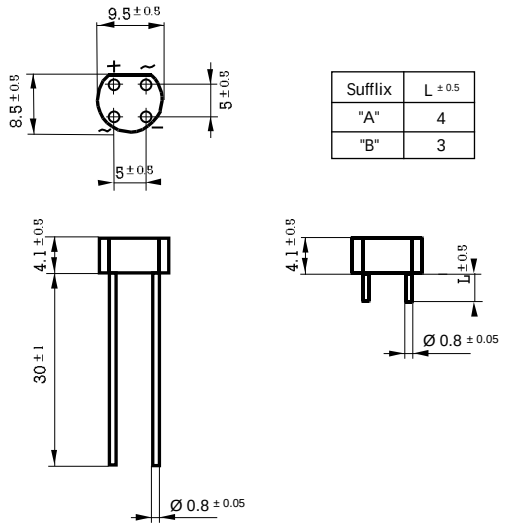
# 1.5 Amp. Glass Passivated Bridge Rectifier

Dimensions in mm.




| Sufflix | L ± 0.5 |
|---|---|
| "A" | 4 |
| "B" | 3 |

Voltage
50 to 1000 V.

Current
1.5 A

HYPERECTIFIER®

- Glass Passivated Junction
- Case: Epoxy encapsulation
- Terminals: Radial leads
- Ideal for P.C.B.

Lead and polarity identifications

## Maximum Ratings, according to IEC publication No. 134

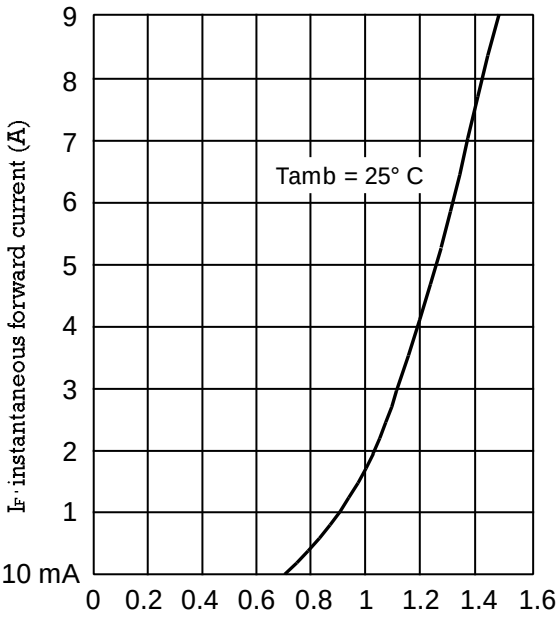
| | | W 005F | W 01F | W 02F | W 04F | W 06F | W 08F | W 10F |
|---|---|---|---|---|---|---|---|---|
| $V_{RRM}$ | Peak recurrent reverse voltage (V) | 50 | 100 | 200 | 400 | 600 | 800 | 1000 |
| $V_{RMS}$ | Maximum RMS voltage (V) | 35 | 70 | 140 | 280 | 420 | 560 | 700 |
| $I_{F(AV)}$ | Forward current at Tamb = 25 °C R load<br>C load | 1.5 A<br>1.2 A | | | | | | |
| $I_{FRM}$ | Recurrent peak forward current | 15 A | | | | | | |
| $I_{FSM}$ | 10 ms. peak forward surge current | 50 A | | | | | | |
| $I^2t$ | $I^2t$ value for fusing (t = 10 ms) | 12 $A^2$sec | | | | | | |
| $T_j$ | Operating temperature range | – 55 to + 150 °C | | | | | | |
| $T_{stg}$ | Storage temperature range | – 55 to + 150 °C | | | | | | |

## Electrical Characteristics at Tamb = 25 °C

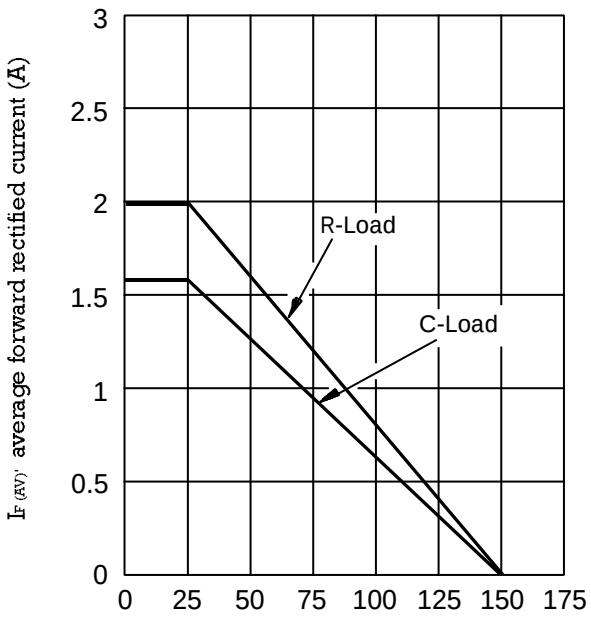
| | | |
|---|---|---|
| $V_F$ | Max. forward voltage drop per element at $I_F$ = 1 A | 1 V |
| $I_R$ | Max. reverse current per element at $V_{RRM}$ | 10 µ A |

## Characteristic Curves

TYPICAL FORWARD CHARACTERISTIC




FORWARD CURRENT DERATING CURVE




OPERATION WITH CAPACITIVE LOAD

Limit values of $R_S$ and $C_L$ for adequate protection against switching transients.

| Recommended input voltage $V_{RMS}$ | Min. RS Tol ± 10 % Ohms | Max. CL Tol + 50 % - 20 % µ F |
|---|---|---|
| 40 | 1 | 2500 |
| 80 | 2 | 1000 |
| 125 | 3 | 500 |
| 250 | 6 | 250 |
| 500 | 14 | 150 |