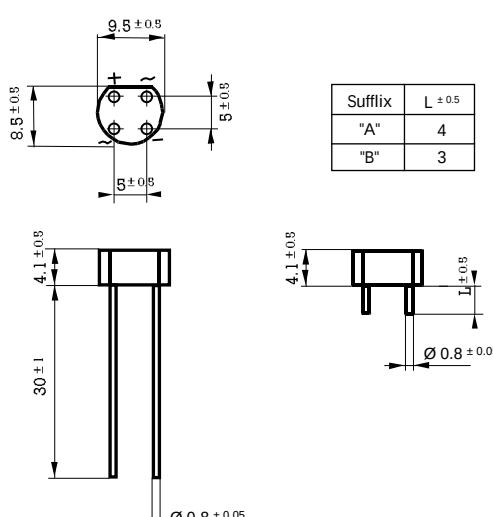


## 0.8 Amp. Glass Passivated Bridge Rectifier

| <p>Dimensions in mm.</p>  <p>Top view dimensions: 9.5 ± 0.5, 8.5 ± 0.5, 5 ± 0.5, 5 ± 0.5, 5 ± 0.5.</p> <p>Side view dimensions: 4.1 ± 0.5, 30 ± 1, Ø 0.8 ± 0.05.</p> <p>Detail view dimensions: 4.1 ± 0.5, 1.4 ± 0.5, Ø 0.8 ± 0.05.</p> <table border="1"> <thead> <tr> <th>Suffix</th> <th>L ± 0.5</th> </tr> </thead> <tbody> <tr> <td>"A"</td> <td>4</td> </tr> <tr> <td>"B"</td> <td>3</td> </tr> </tbody> </table> | Suffix  | L ± 0.5 | "A" | 4 | "B" | 3 | <p>Voltage<br/>100 to 900 V.</p> <p>Current<br/>0.8 A</p> <p><b>HYPERECTIFIER®</b></p> <ul style="list-style-type: none"> <li>• Glass Passivated Junction</li> <li>• Case: Epoxy encapsulation</li> <li>• Terminals: Radial leads</li> <li>• Ideal for P.C.B.</li> </ul> <p>Lead and polarity identifications</p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|-----|---|-----|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suffix                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | L ± 0.5 |         |     |   |     |   |                                                                                                                                                                                                                                                                                                                   |
| "A"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4       |         |     |   |     |   |                                                                                                                                                                                                                                                                                                                   |
| "B"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3       |         |     |   |     |   |                                                                                                                                                                                                                                                                                                                   |

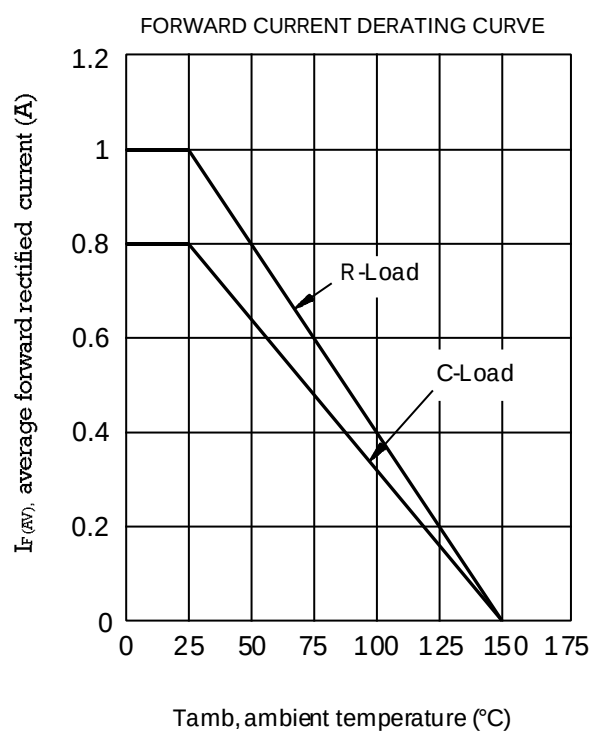
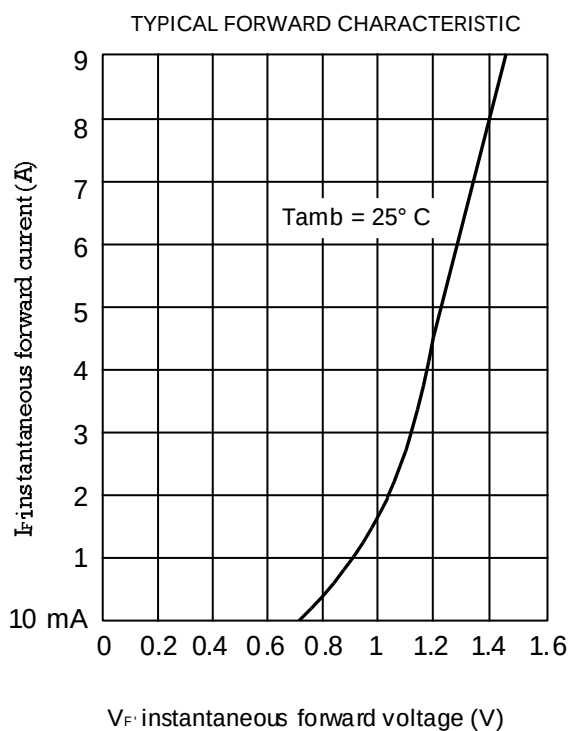
### Maximum Ratings, according to IEC publication No. 134

|             |                                                     | B40<br>C800            | B80<br>C800 | B125<br>C800 | B250<br>C800 | B380<br>C800 |
|-------------|-----------------------------------------------------|------------------------|-------------|--------------|--------------|--------------|
| $V_{RRM}$   | Peak Recurrent Reverse Voltage (V)                  | 100                    | 200         | 300          | 600          | 900          |
| $V_{RMS}$   | Maximum RMS Voltage (V)                             | 70                     | 140         | 210          | 420          | 630          |
| $V_R$       | Recommended Input Voltage (V)                       | 40                     | 80          | 125          | 250          | 380          |
| $I_{F(AV)}$ | Forward current at Tamb = 25 °C<br>R load<br>C load | 1.0 A<br>0.8 A         |             |              |              |              |
| $I_{FRM}$   | Recurrent peak forward current                      | 8 A                    |             |              |              |              |
| $I_{FSM}$   | 10 ms. peak forward surge current                   | 30 A                   |             |              |              |              |
| $I^2t$      | $I^2t$ value for fusing (t = 10 ms)                 | 4.5 A <sup>2</sup> sec |             |              |              |              |
| $T_j$       | Operating temperature range                         | - 40 to + 150 °C       |             |              |              |              |
| $T_{stg}$   | Storage temperature range                           | - 40 to + 150 °C       |             |              |              |              |

### Electrical Characteristics at Tamb = 25 °C

|       |                                                           |       |
|-------|-----------------------------------------------------------|-------|
| $V_F$ | Max. forward voltage drop<br>per element at $I_F = 0.8$ A | 1 V   |
| $I_R$ | Max. reverse current per element at $V_{RRM}$             | 10 µA |

## Characteristic Curves



### OPERATION WITH CAPACITIVE LOAD

Limit values of  $R_s$  and  $C_L$  for a dequate protection a gainst switching transient.

| Recommended input voltage<br>$V_{RMS}$ | Min. $R_s$<br>Tol $\pm 10\%$<br>Ohms | Max $C_L$<br>+ 50 %<br>Tol - 20 %<br>$\mu F$ |
|----------------------------------------|--------------------------------------|----------------------------------------------|
| 40                                     | 1                                    | 2500                                         |
| 80                                     | 2                                    | 1000                                         |
| 125                                    | 3                                    | 500                                          |
| 250                                    | 6                                    | 250                                          |
| 300                                    | 14                                   | 150                                          |

