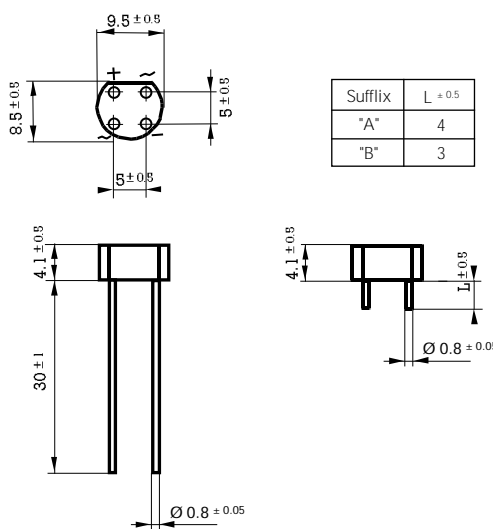



1.5 Amp. Glass Passivated Bridge Rectifier

| <p>Dimensions in mm.</p>  <table border="1" data-bbox="566 555 715 645"> <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 100 to 900 V.</p> <p>Current 1.5 A</p>  |
|---|--|---------|-----|---|-----|---|--|
| Suffix | L + 0.5 | | | | | | |
| "A" | 4 | | | | | | |
| "B" | 3 | | | | | | |
| | <ul style="list-style-type: none"> • Glass Passivated Junction • Case: Epoxy encapsulation • Terminals: Radial leads • Ideal for P.C.B. <p>Lead and polarity identifications</p> | | | | | | |

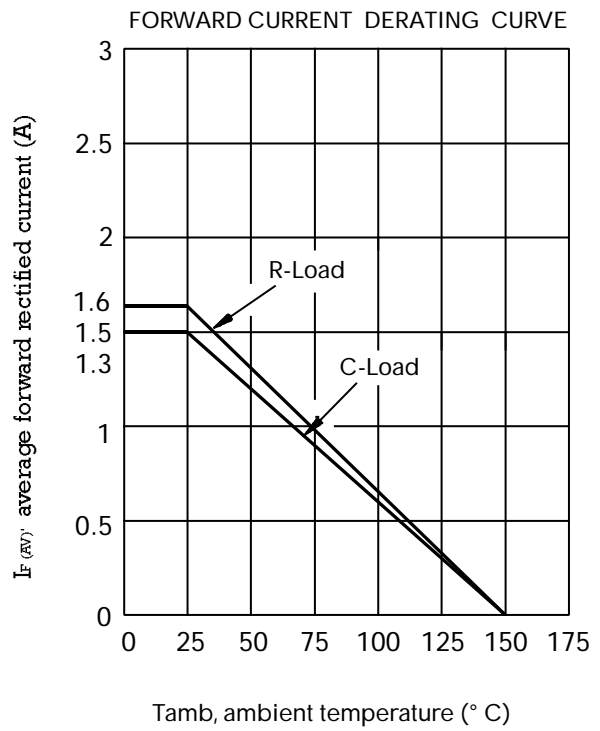
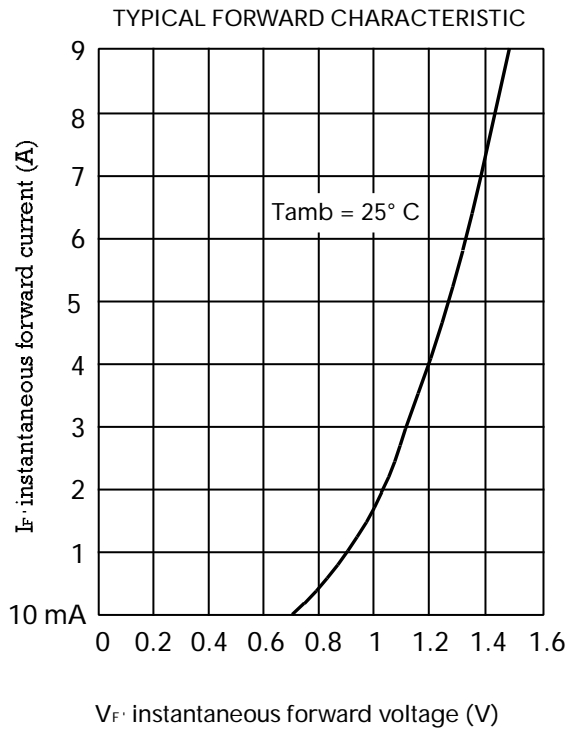
Maximum Ratings, according to IEC publication No. 134

| | | B40 C1500R | B80 C1500R | B125 C1500R | B250 C1500R | B380 C1500R |
|-------------|---|-----------------------|---------------|----------------|----------------|----------------|
| 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 $T_{amb} = 25^\circ C$ R load C load | 1.6 A 1.5 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 | - 40 to + 150 °C | | | | |
| T_{stg} | Storage temperature range | - 40 to + 150 °C | | | | |

Electrical Characteristics at $T_{amb} = 25^\circ C$

| | | |
|-------|--|------------|
| V_F | Max. forward voltage drop per element at $I_F = 1.5 A$ | 1.1 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 adequate protection against switching transients.

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

