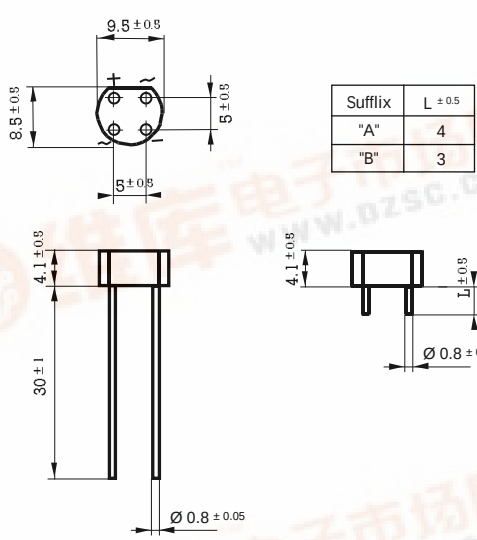




B40C1500R.....B380C1500R

1.5 Amp. Glass Passivated Bridge Rectifier

Dimensions in mm.  <table border="1" data-bbox="558 649 718 761"> <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	Voltage 100 to 900 V. Current 1.5 A HYPERECTIFIER® • Glass Passivated Junction • Case: Epoxy encapsulation • Terminals: Radial leads • Ideal for P.C.B. Lead and polarity identifications
Suffix	L ± 0.5						
"A"	4						
"B"	3						

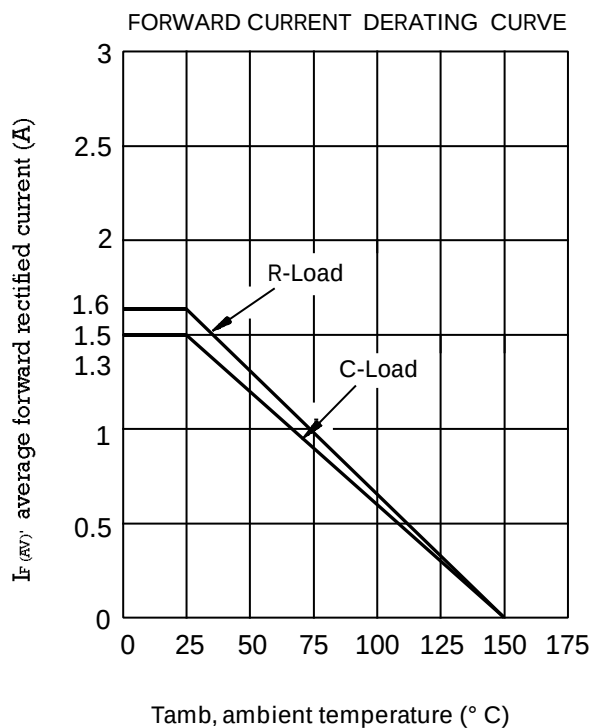
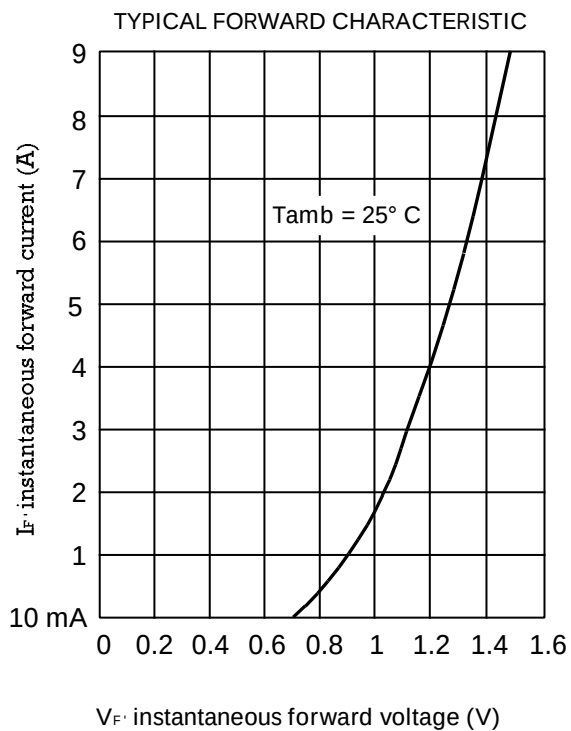
Maximum Ratings, according to IEC publication No. 134

		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 Tamb = 25 °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 Tamb = 25 °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

