

1 Amp. Glass Passivated Bridge Rectifier

<p>Dimensions in mm.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>Suffix</td> <td>L = 0.5</td> </tr> <tr> <td>"A"</td> <td>4</td> </tr> <tr> <td>"B"</td> <td>3</td> </tr> </table>	Suffix	L = 0.5	"A"	4	"B"	3	<p>Voltage 100 to 900 V.</p> <p>Current 1.0 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>						

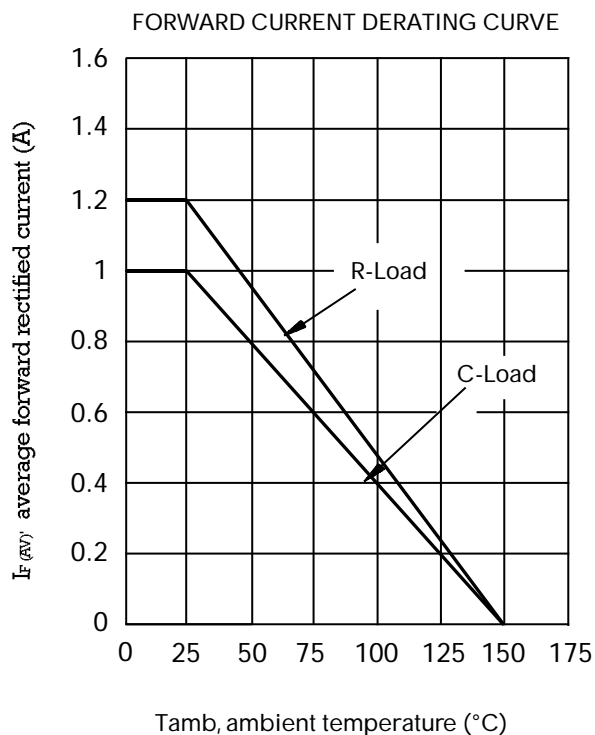
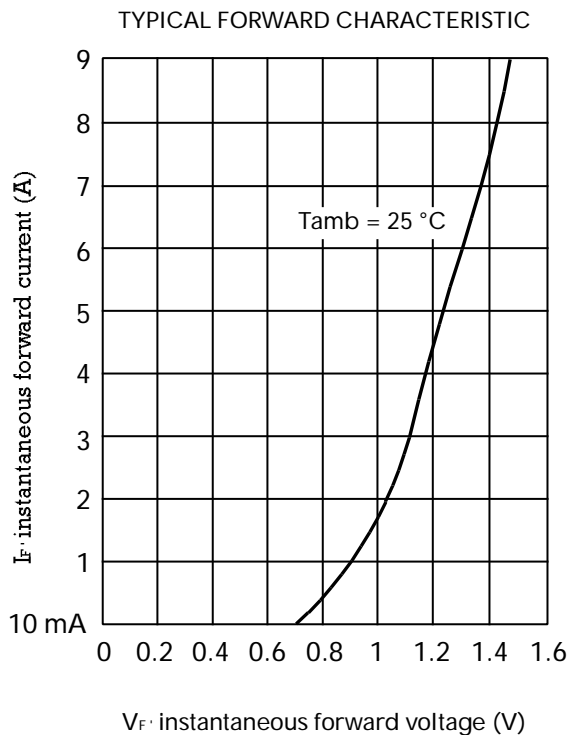
Maximum Ratings, according to IEC publication No. 134

		B40 C1000	B80 C1000	B125 C1000	B250 C1000	B380 C1000
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	1.2 A 1.0 A				
I_{FRM}	Recurrent peak forward current	10 A				
I_{FSM}	10 ms. peak forward surge current	40 A				
I^2t	I^2t value for fusing (t = 10 ms)	8 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 $I_F = 1 A$	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 adequate protection against switching transients.

Recommended input voltage V_{RMS}	Min. R_s Tol $\pm 10\%$ Ohms	Max. C_L + 50 % - 20 % μF
40	1	2500
80	2	1000
125	3	500
250	6	250
380	10	150

