


1.5 Amp. Glass Passivated Bridge Rectifier

<p>Dimensions in mm.</p> <table border="1" data-bbox="566 555 710 645"> <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 50 to 1000 V.</p> <p>Current 1.5 A</p>  <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>
Suffix	L = 0.5						
"A"	4						
"B"	3						

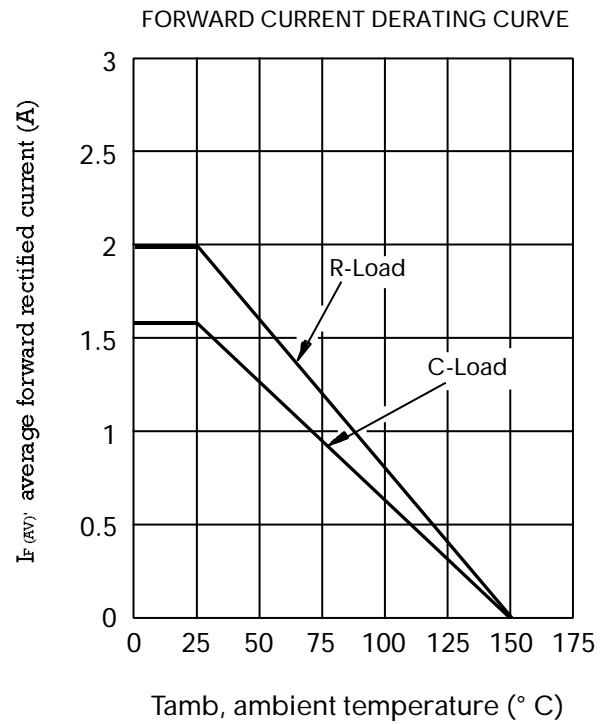
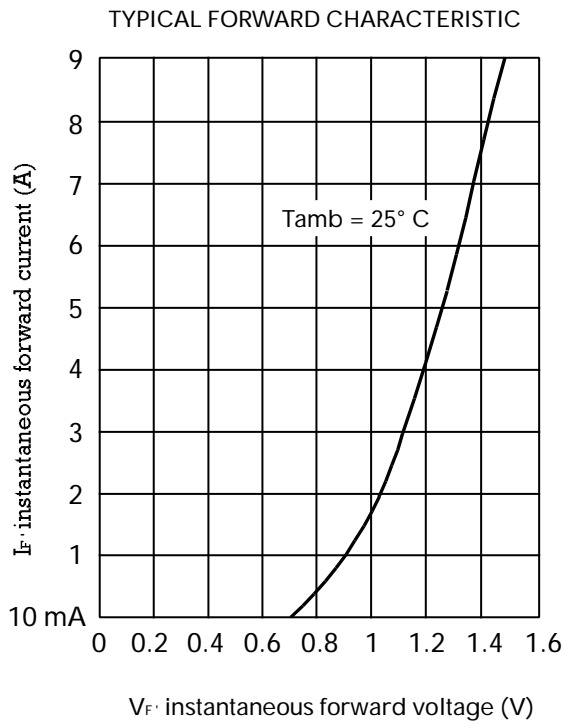
Maximum Ratings, according to IEC publication No. 134

		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 $T_{amb} = 25\text{ }^{\circ}\text{C}$ R load C load	1.5 A 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 $T_{amb} = 25\text{ }^{\circ}\text{C}$

V_F	Max. forward voltage drop per element at $I_F = 1\text{ A}$	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 % Tol - 20 % μF
40	1	2500
80	2	1000
125	3	500
250	6	250
500	14	150

