

1 Amp. Glass Passivated Bridge Rectifier

<p>Dimensions in mm.</p> <table border="1"> <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 50 to 1000 V.</p> <p>Current 1.0 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						

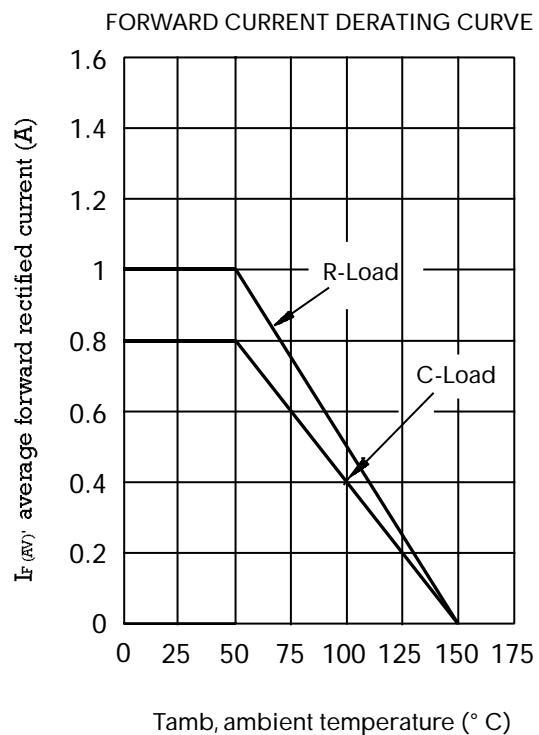
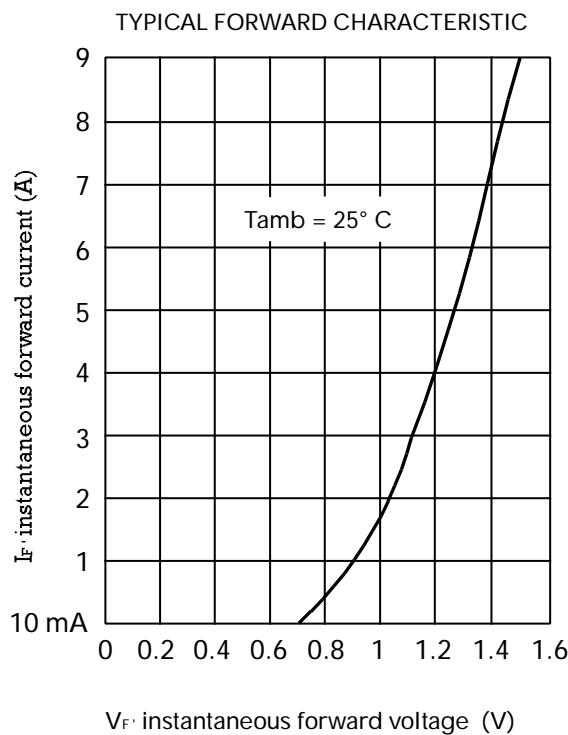
Maximum Ratings, according to IEC publication No. 134

		WL 005F	WL 01F	WL 02F	WL 04F	WL 06F	WL 08F	WL 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 Tamb = 50 °C R load C load				1.0 A	0.8 A		
I_{FRM}	Recurrent peak forward current				10 A			
I_{FSM}	10 ms. peak forward surge current				30 A			
I^2t	I^2t value for fusing (t = 10 ms)				4.5 A ² sec			
T_j	Operating temperature range				– 55 to + 150 °C			
T_{sg}	Storage temperature range				– 55 to + 150 °C			

Electrical Characteristics at Tamb = 25 °C

V_F	Max. forward voltage drop per element at $I_F = 1$ A	1.2V
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. CL + 50 % - 20 % μF
40	1	2500
80	2	1000
125	3	500
250	6	250
500	15	100

