



WL005F.....WL10F

1 Amp. Glass Passivated Bridge Rectifier

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

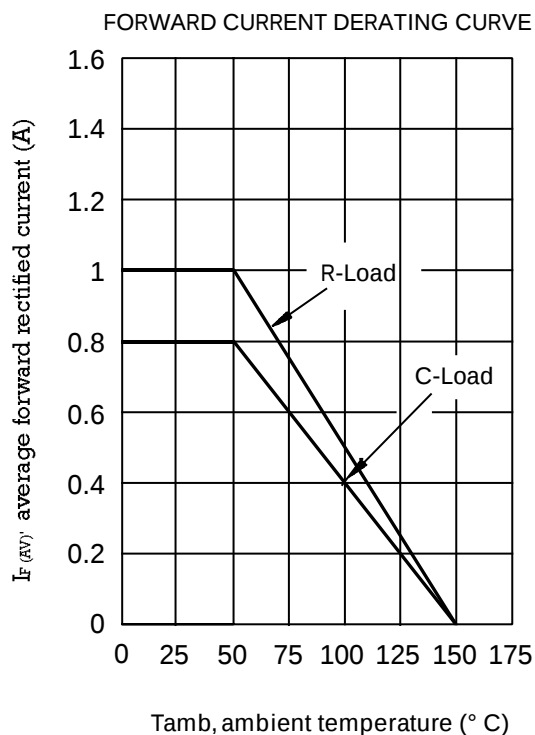
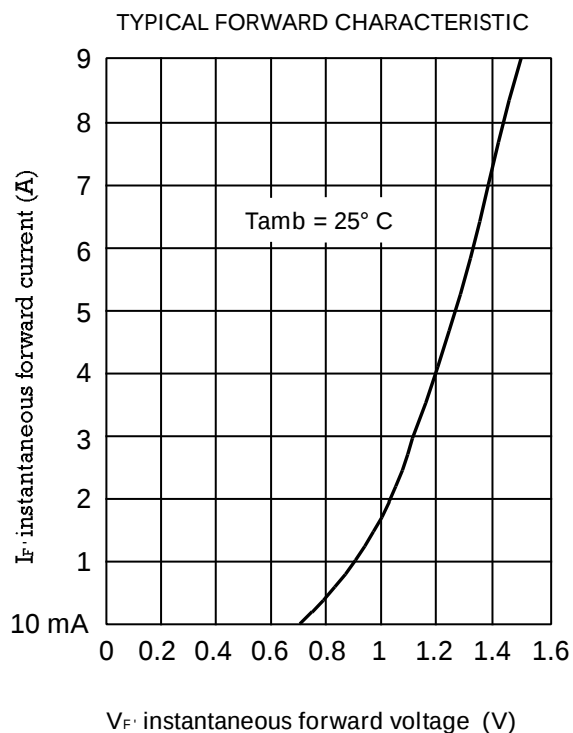
		WL 005F	WL 01F	WL 02F	WL 04F	WL 06F	WL 08F	WL 10F
V_{RRM}	Peak recurrent reverse voltage (V)	50	100	200	400	600	800	1000
V_{RMS}	Maximum RMS voltage (V)	35	70	140	280	420	560	700
$I_{F(AV)}$	Forward current at $T_{amb} = 50^{\circ}C$ R load C load	1.0 A 0.8 A						
I_{FRM}	Recurrent peak forward current	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_{stg}	Storage temperature range	- 55 to + 150 °C						

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

V_F	Max. forward voltage drop per element at $I_F = 1$ A	1.2 V
I_R	Max. reverse current per element at V_{RRM}	10 μ A



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	15	100

