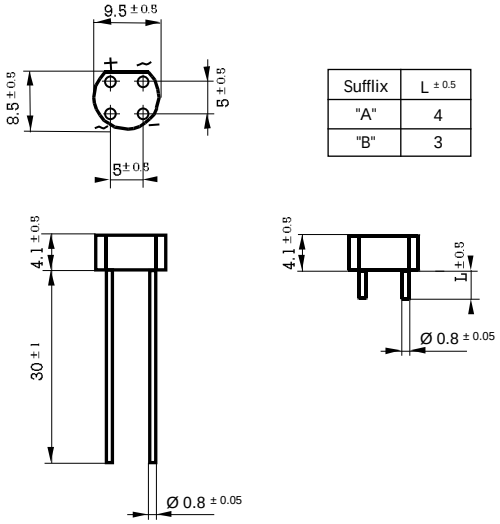
1 Amp. Glass Passivated Bridge Rectifier

Dimensions in mm.



Sufflix	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

Maximum Ratings, according to IEC publication No. 134

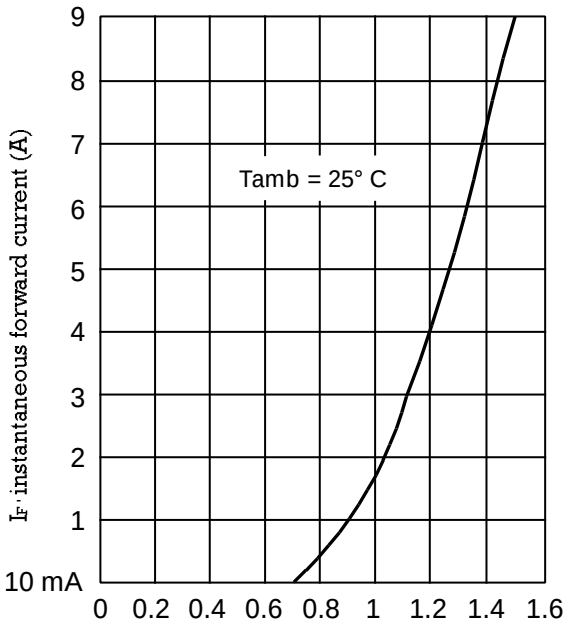
		WL 005F	WL 01F	WL 02F	WL 04F	WL 06F	WL 08F	WL 10F
V_{RRM}	Peak recurrent reverse voltage (V)	50	100	200	400	600	800	1000
V_{RMS}	Maximum RMS voltage (V)	35	70	140	280	420	560	700
$I_{F(AV)}$	Forward current at Tamb = 50 °C R load C load	1.0 A 0.8 A						
I_{FRM}	Recurrent peak forward current	10 A						
I_{FSM}	10 ms. peak forward surge current	30 A						
I^2t	I^2t value for fusing (t = 10 ms)	4.5 A^2sec						
T_j	Operating temperature range	– 55 to + 150 °C						
T_{stg}	Storage temperature range	– 55 to + 150 °C						

Electrical Characteristics at Tamb = 25 °C

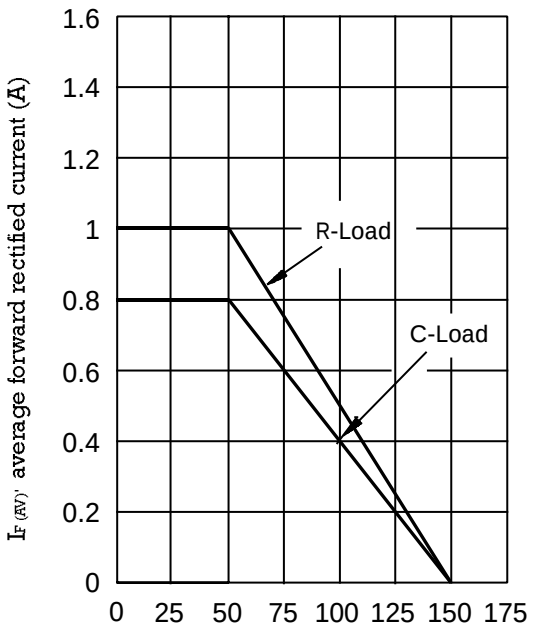
V_F	Max. forward voltage drop per element at I_F = 1 A	1.2 V
I_R	Max. reverse current per element at V_{RRM}	10 µ A

Characteristic Curves

TYPICAL FORWARD CHARACTERISTIC



FORWARD CURRENT DERATING CURVE



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 ± 10 % Ohms	Max. CL Tol + 50 % - 20 % µ F
40	1	2500
80	2	1000
125	3	500
250	6	250
500	15	100