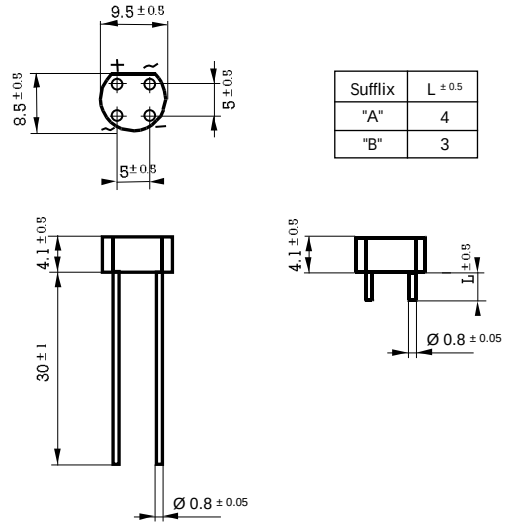
1 Amp. Glass Passivated Bridge Rectifier

Dimensions in mm.



Sufflix	L ± 0.5
"A"	4
"B"	3

Voltage
100 to 900 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

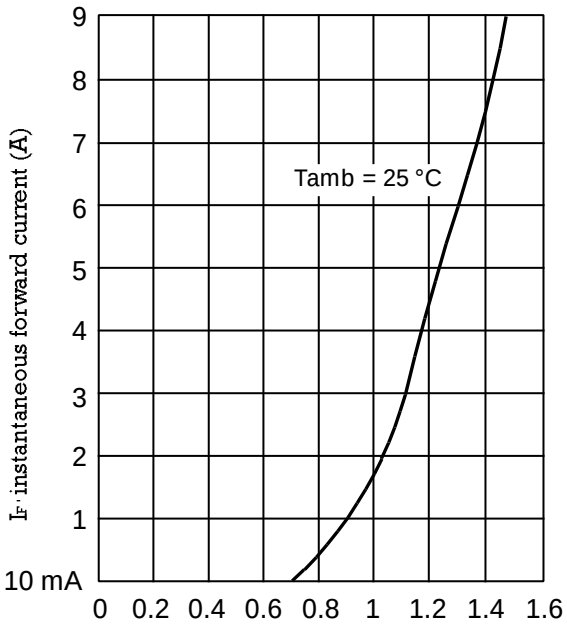
		B40 C1000	B80 C1000	B125 C1000	B250 C1000	B380 C1000
V_{RRM}	Peak Recurrent Reverse Voltage (V)	100	200	300	600	900
V_{RMS}	Maximum RMS Voltage (V)	70	140	210	420	630
V_R	Recommended Input Voltage (V)	40	80	125	250	380
$I_{F(AV)}$	Forward current at Tamb = 25 °C R load C load	1.2 A 1.0 A				
I_{FRM}	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^2sec				
T_j	Operating temperature range	– 40 to + 150 °C				
T_{stg}	Storage temperature range	– 40 to + 150 °C				

Electrical Characteristics at Tamb = 25 °C

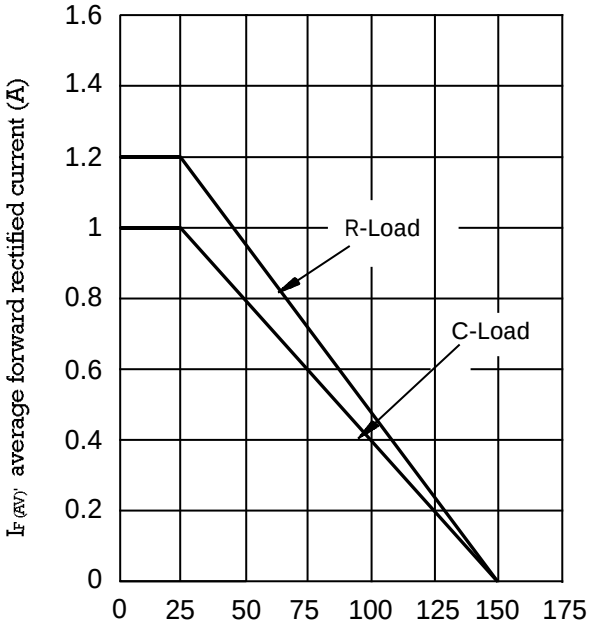
V_F	Max. forward voltage drop per element at I_F = 1 A	1 V
I_R	Max. reverse current per element at V_{RWM}	10 µ A

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.RS Tol ± 10 % Ohms	Max. CL + 50 % - 20 % µ F
40	1	2500
80	2	1000
125	3	500
250	6	250
380	10	150