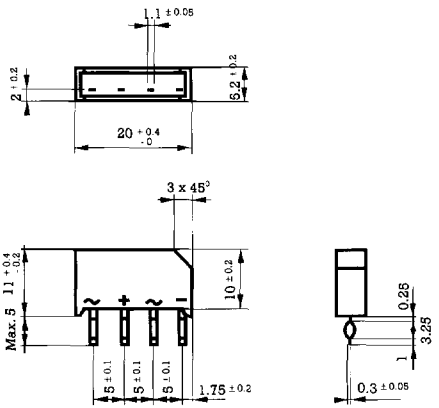
1.5 Amp. Silicon Bridge Rectifiers in Plastic Case

Dimensions in mm.

Plastic Case



Voltage
100 to 1.000 V.

Current
1.5 A.

- In process of evaluation UL 1449
- Low Cost
- Case: Epoxy encapsulation
- Terminals: Radial leads
- Ideal for P.C.B.

Lead and polarity identifications

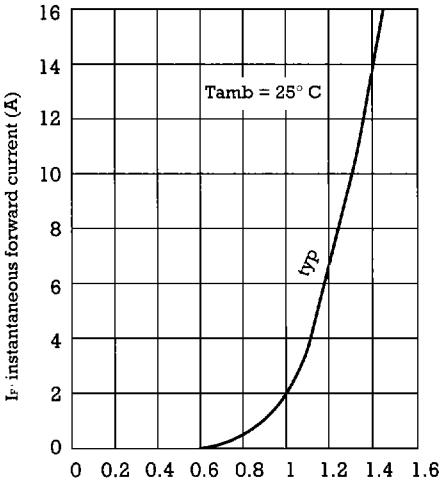
Maximum Ratings, according to IEC publication No. 134

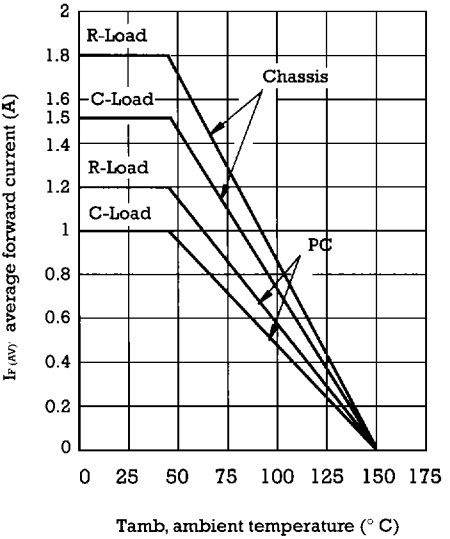
		B40 C1500/1000	B80 C1500/1000	B125 C1500/1000	B250 C1500/1000	B380 C1500/1000	B500 C1500/1000
V_{RWM}	Max. peak working voltage (V)	100	200	300	600	900	1000
V_{RMS}	Recommended input voltage (V)	40	80	125	250	380	500
$I_{F(AV)}$	Forward current at Tamb = 45 °C - PC mounted R load	1.2 A					
	C load	1.0 A					
	- Chassis mounted R load	1.8A					
	C load	1.5A					
I_{FRM}	Recurrent peak forward current	10 A					
I_{FSM}	10 ms. peak forward surge current	50 A					
I^2t	I^2t value for fusing (t = 10 ms)	12 A^2S					
T_j	Max. operating temperature	+ 150°C					
T_{stg}	Storage temperature range	– 40 to + 150 °C					

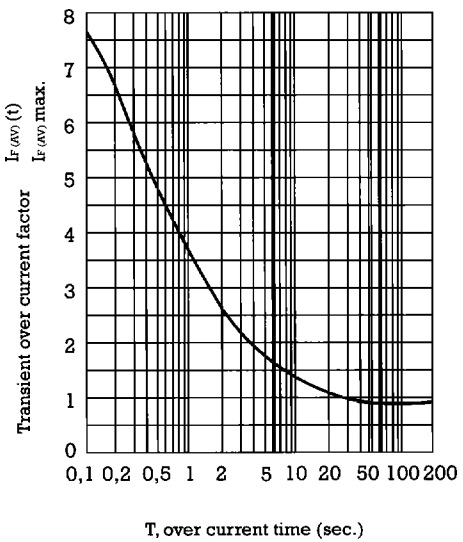
Electrical Characteristics at Tamb = 25°C

V_F	Max. forward voltage drop per element at I_F = 1 A	1.1 V
I_R	Max. reverse current per element at V_{RRM}	20 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.RS Tol ± 10 % Ohms	Max. CL Tol + 50 % - 20 % µ F
40	1	2.500
80	2	1.000
125	3	500
250	6	250
380	10	150
500	14	100