

2 Amp. Silicon Bridge Rectifiers in Plastic Case

<p>Dimensions in mm.</p>	Plastic Case	<p>Voltage 100 to 1.000 V.</p> <p>Current 2.0 A.</p>
		<ul style="list-style-type: none"> • In process of evaluation UL 1449 • Low Cost • Case: Epoxy encapsulation • Terminals: Radial leads • Ideal for P.C.B. <p>Lead and polarity identifications</p>

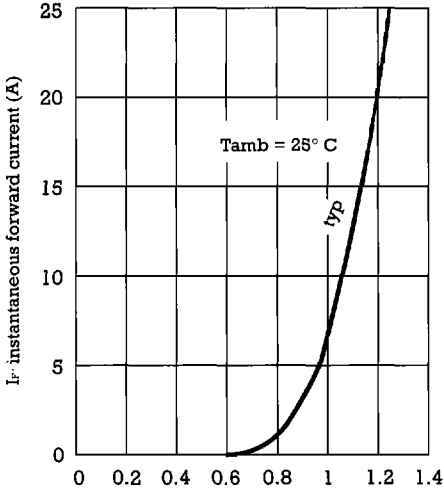
Maximum Ratings, according to IEC publication No. 134

		B40	B80	B125	B250	B380	B500
		C2000/1500	C2000/1500	C2000/1500	C2000/1500	C2000/1500	C2000/1500
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 $T_{amb} = 45^\circ C$ - PC mounted R load C load - Chassis mounted R load C load	1.6 A 1.5 A 2.3 A 2.0 A					
I_{FRM}	Recurrent peak forward current	15 A					
I_{FSM}	10 ms. peak forward surge current	100 A					
I^2t	I^2t value for fusing ($t = 10$ ms)	50 A ² S					
T_j	Max. operating temperature	+ 150°C					
T_{stg}	Storage temperature range	- 40 to + 150 °C					

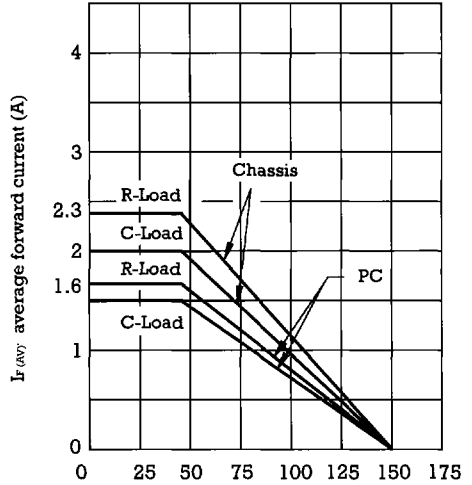
Electrical Characteristics at $T_{amb} = 25^\circ C$

V_F	Max. forward voltage drop per element at $I_F = 3$ A	1.1 V
I_R	Max. reverse current per element at V_{RRM}	20 μ A

Characteristic Curves



V_F : instantaneous forward voltage drop (V)



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 Tol + 50 % - 20 % μF
40	0,6	5.000
80	1,2	2,500
125	1,4	1.000
250	2,8	500
500	5,2	200

