

1.5 Amp. Silicon Bridge Rectifiers in Plastic Case

<p>Dimensions in mm.</p>	<p>Plastic Case</p>	<p>Voltage 100 to 1.000 V.</p> <p>Current 1.5 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>		

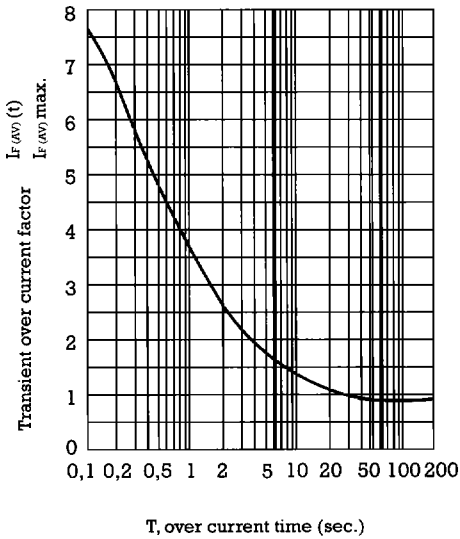
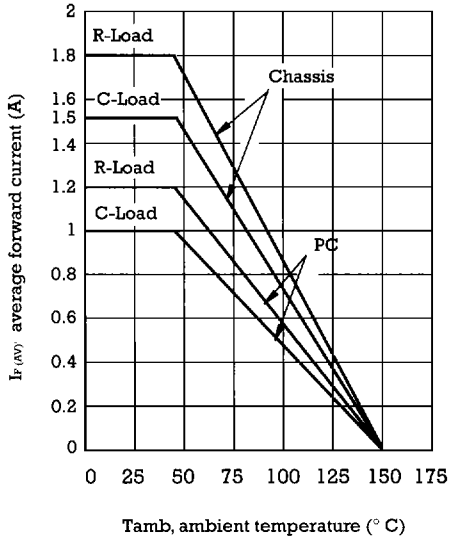
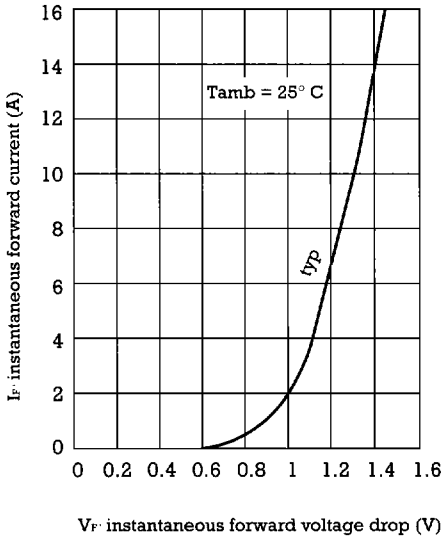
Maximum Ratings, according to IEC publication No. 134

		B40	B80	B125	B250	B380	B500
		C1500/1000	C1500/1000	C1500/1000	C1500/1000	C1500/1000	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_{FLAV}	Forward current at $T_{amb} = 45^\circ C$ - PC mounted R load C load - Chassis mounted R load C load	1.2 A 1.0 A 1.8 A 1.5 A					
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 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 $I_f = 1 A$	1.1 V
I_R	Max. reverse current per element at V_{RSM}	20 μA

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	2.500
80	2	1.000
125	3	500
250	6	250
380	10	150
500	14	100

