SKB B...C1000L5B

V_{RSM}, V_{RRM} V	V_{VRMS} V	I_D = 1,8 A (T_a = 45 °C) Types	C_{max} µF	R_{min} Ω
120	40	SKB B40C1000L5B	5000	0,5
400	125	SKB B80C1000L5B	1600	1,5
800	250	SKB B250C1000L5B	800	3
1000	380	SKB B380C1000L5B	600	4,5
1200	500	SKB B500C1000L5B	400	6

Miniature Bridge Rectifiers

SKB B...C1000L5B

Features

- Compact plastic package with in-line terminals
- High blocking voltage

Typical Applications

- Internal power supplies for electronic equipment
- DC power supplies
- Control equipment
- TV sets
- Recommended snubber network: RC: 10 nF, 20...50 Ω (P_R = 1 W)

1) Freely suspended or mounted on an insulator

2) Mounted on a painted metal sheet of min. 250 x 250 x 1 mm

Symbol	Conditions	Values	Units
I_D	T_a = 45 °C, isolated[1)]	1,2	A
	T_a = 45 °C, chassis[2)]	1,8	A
I_{DCL}	T_a = 45 °C, isolated[1)]	1	A
	T_a = 45 °C, chassis[2)]	1,5	A
I_{FSM}	T_{vj} = 25 °C, 10 ms	58	A
	T_{vj} = 150 °C, 10 ms	50	A
i^2t	T_{vj} = 25 °C, 8,3 ... 10 ms	17	A^2s
	T_{vj} = 150 °C, 8,3 ... 10 ms	12,5	A^2s
V_F	T_{vj} = 25°C, I_F = 10 A	max. 1,65	V
$V_{(TO)}$	T_{vj} = 150°C	0,85	V
r_T	T_{vj} = 150°C	100	mΩ
I_{RD}	T_{vj} = 25°C, V_{RD}=V_{RRM} = 120 V	20	µA
	T_{vj} = 25°C, V_{RD}=V_{RRM} ≥ 400 V	5	µA
I_{RD}	T_{vj} = 150°C, V_{RD}=V_{RRM} = 120 V	1	mA
	T_{vj} = 150°C, V_{RD}=V_{RRM} ≥ 400 V	0,6	mA
t_{rr}	T_{vj} = 25°C	10	µs
f_G		2000	Hz
$R_{th(j-a)}$	isolated[1)]	42	K/W
	chassis[2)]	27	K/W
T_{vj}		- 40 ... + 150	°C
T_{stg}		- 55 ... + 150	°C
m		2	g
Fu		1,5	A
Case		G 2	

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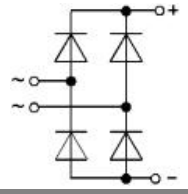

SKB

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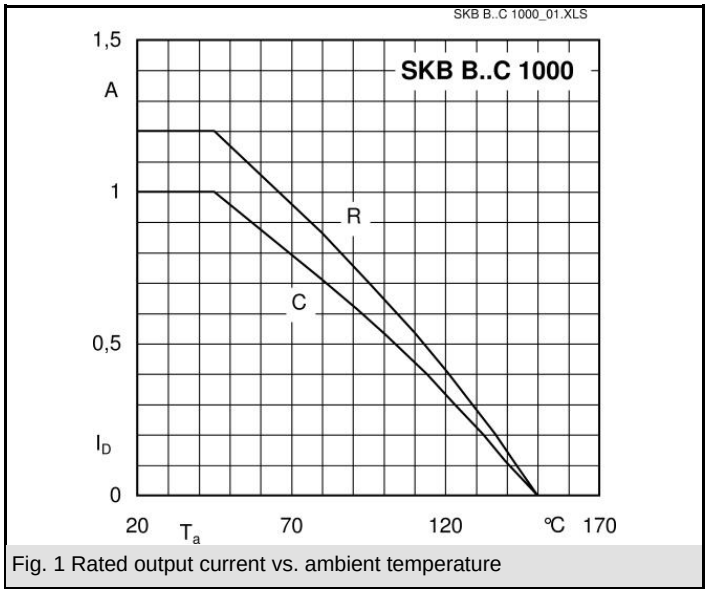

Fig. 1 Rated output current vs. ambient temperature

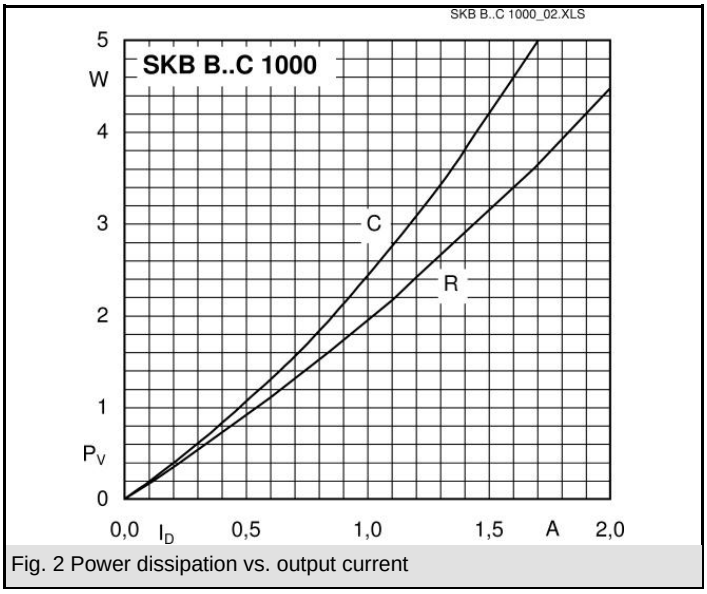

Fig. 2 Power dissipation vs. output current

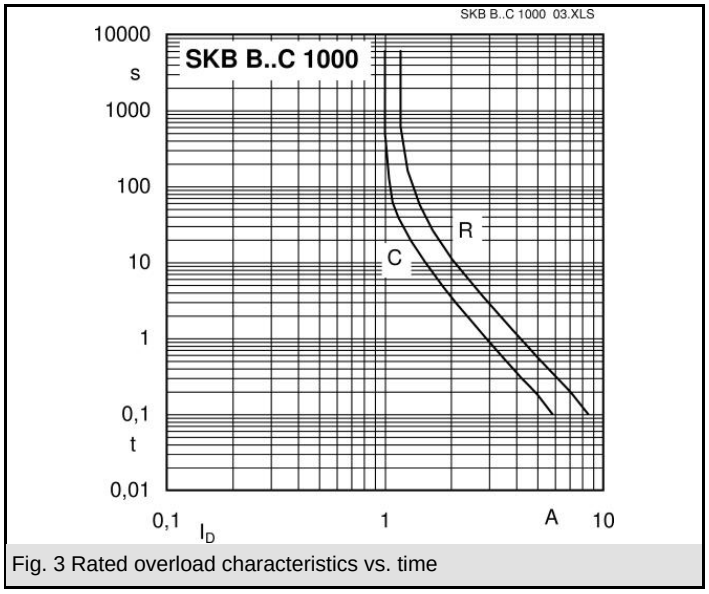

Fig. 3 Rated overload characteristics vs. time

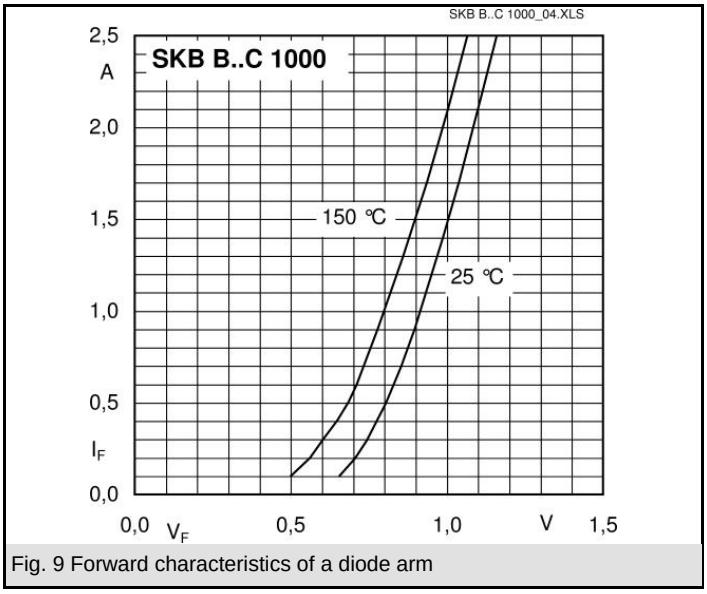

Fig. 9 Forward characteristics of a diode arm

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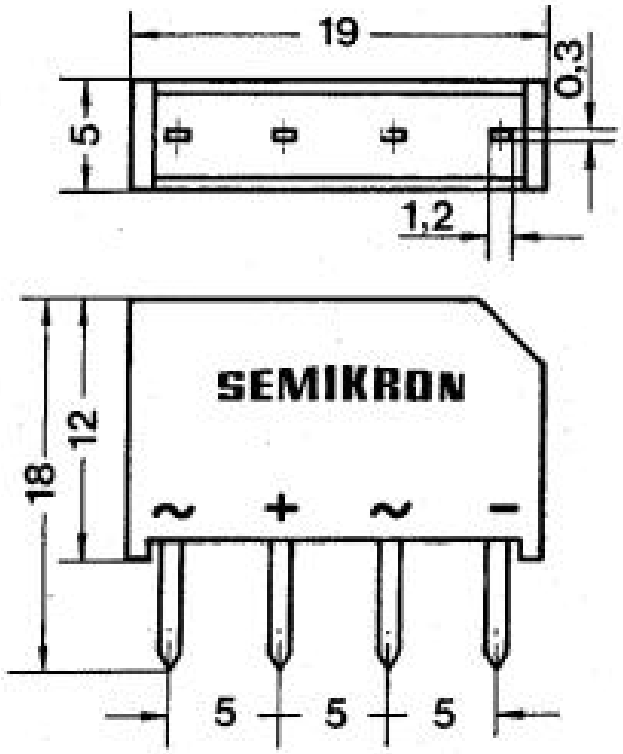
Dimensions in mm



Case G 2

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