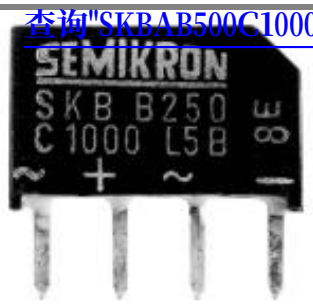
SKBa B500C1000L5B



$V_{(BR)\ min}$ V	V_{VRMS} V	I_D = 1,8 A (T_a = 45 °C) Types	C_{max} µF	R_{min} Ω
1300	500	SKBa B500C1000L5B	400	6

Avalanche Bridge Rectifiers

SKBa B500C1000L5B

Features

- Compact plastic package with in-line terminals
- High blocking voltage
- With avalanche characteristics

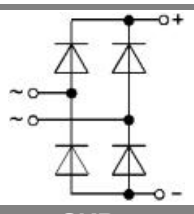
Typical Applications

- Internal power supplies for electronic equipment
- DC power supplies
- Control equipment
- TV sets
- Inductive loads: Solenoids, Motor brakes

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
	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
i²t	T_{vj} = 25 °C, 8,3 ... 10 ms	17	A²s
	T_{vj} = 150 °C, 8,3 ... 10 ms	12,5	A²s
P_{RSM}	t_p = 10 µs	1000	W
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}=$V_{(BR)}$min	5	µA
I_{RD}	T_{vj} = 150°C, V_{RD}=$V_{(BR)}$min	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	



SKB

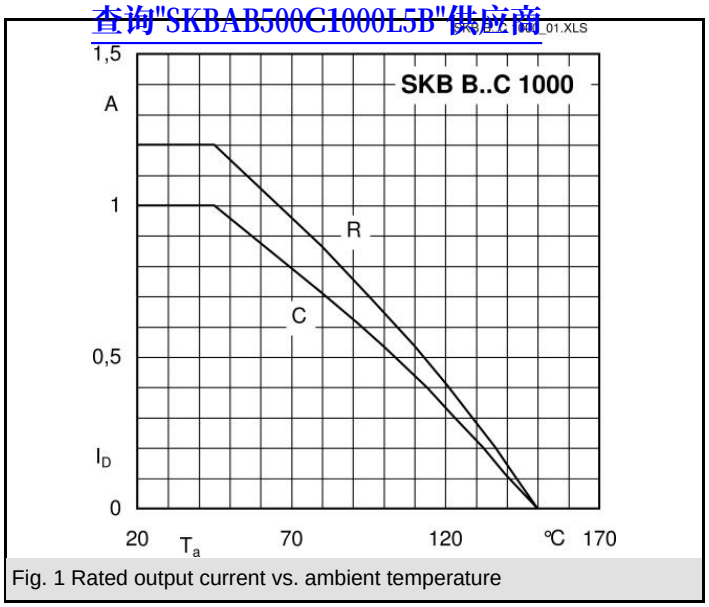


Fig. 1 Rated output current vs. ambient temperature

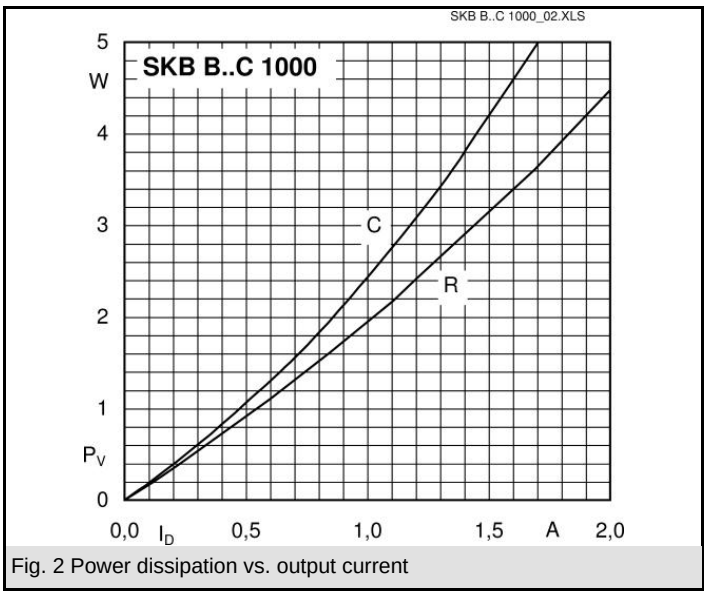


Fig. 2 Power dissipation vs. output current

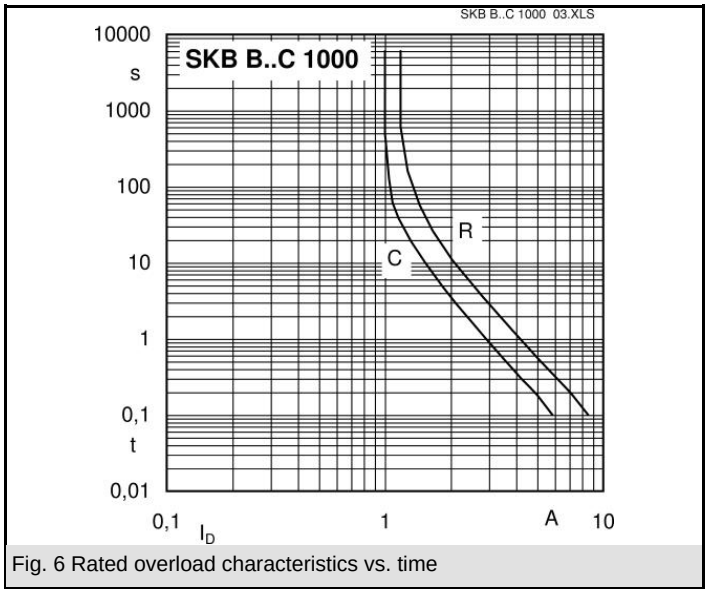


Fig. 6 Rated overload characteristics vs. time

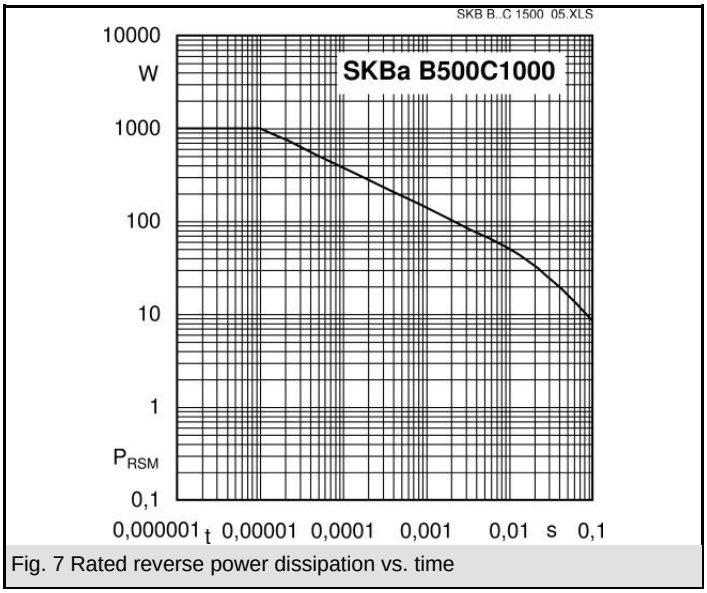


Fig. 7 Rated reverse power dissipation vs. time

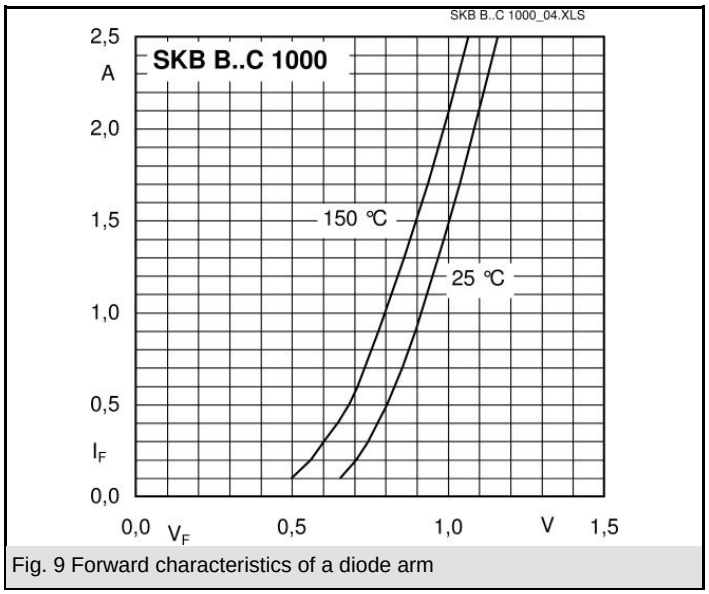
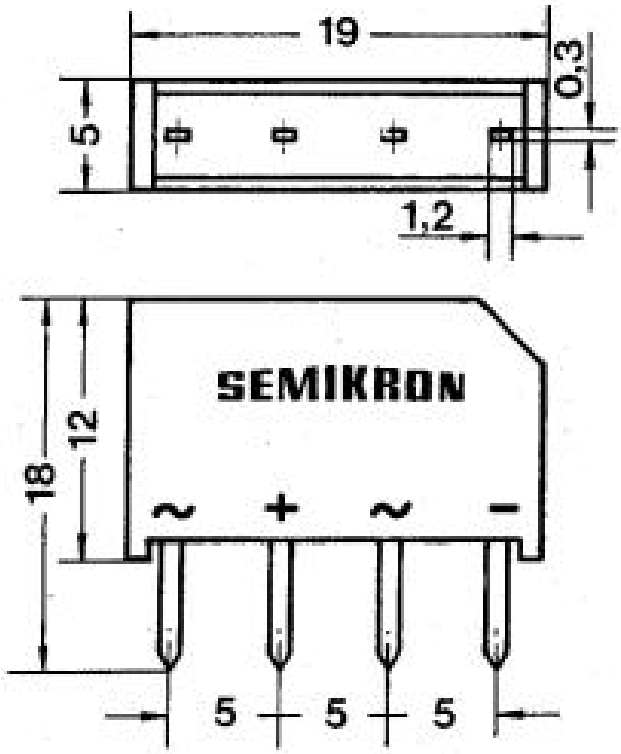


Fig. 9 Forward characteristics of a diode arm

查询"SKBAB500C1000L5B"供应商

Dimensions in mm



Case G 2

This technical information specifies semiconductor devices but promises no characteristics. No warranty or guarantee expressed or implied is made regarding delivery, performance or suitability.

