

# SKBa B500C1000L5B



## Avalanche Bridge Rectifiers

### SKBa B500C1000L5B

#### Features

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

#### Typical Applications

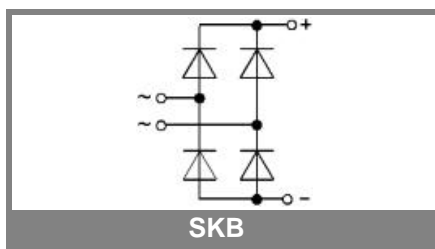
- Internal power supplies for electronic equipment
- DC power supplies
- Control equipment
- TV sets
- Inductive loads: Solenoids, Motor brakes

1) Freely suspended or mounted on an insulator

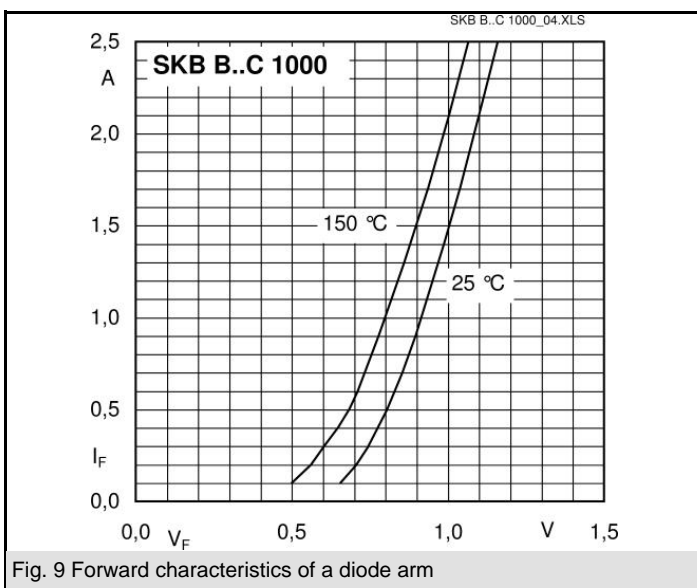
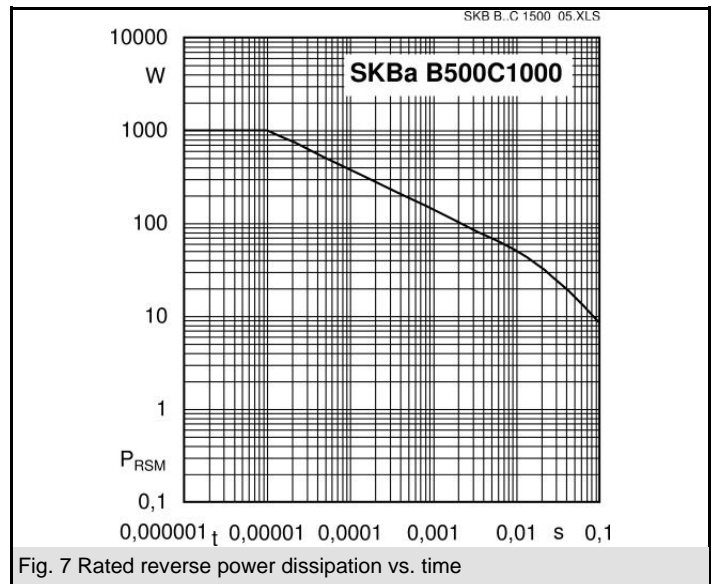
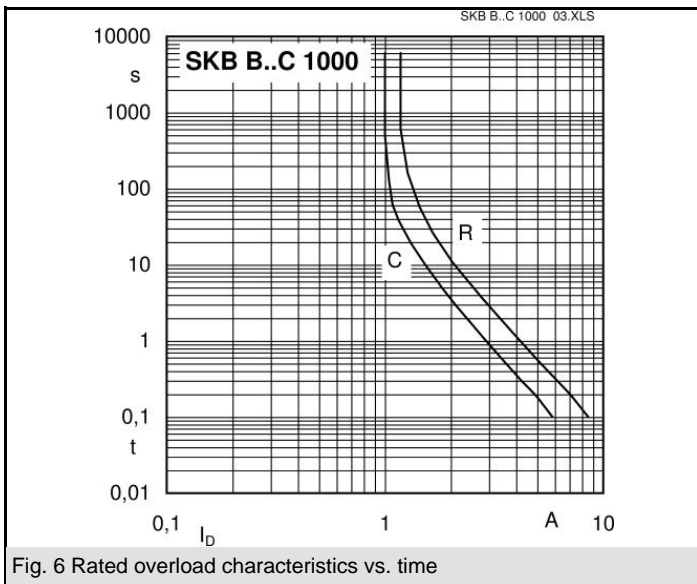
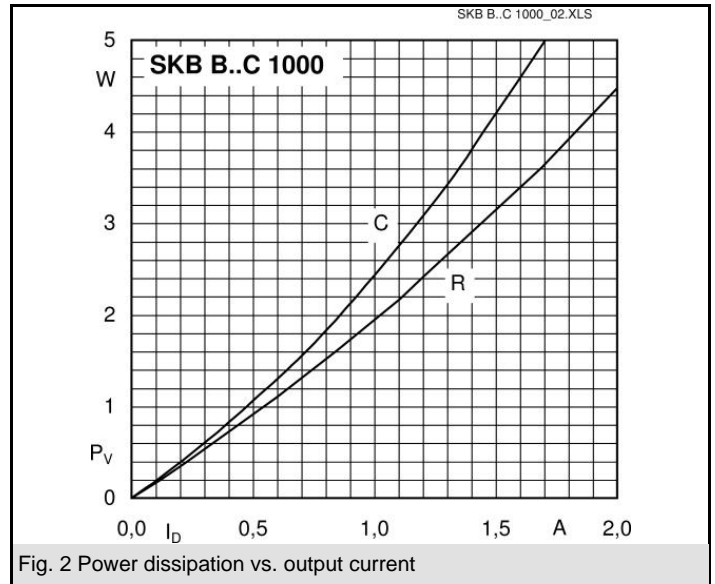
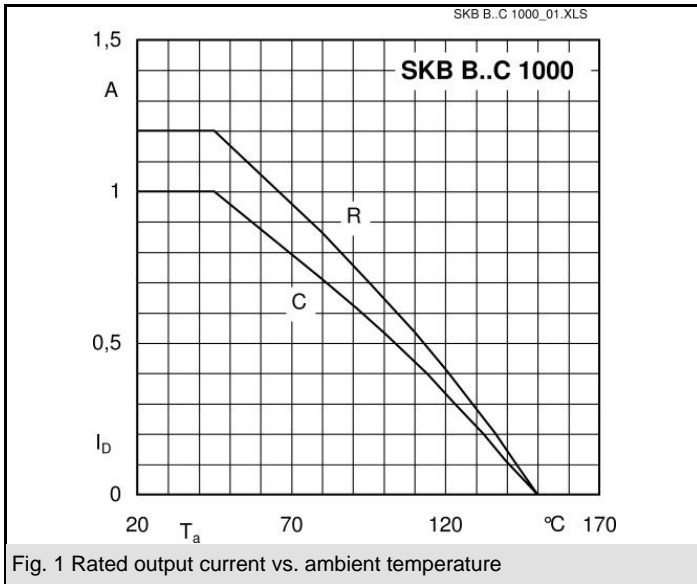
2) Mounted on a painted metal sheet of min. 250 x 250 x 1 mm

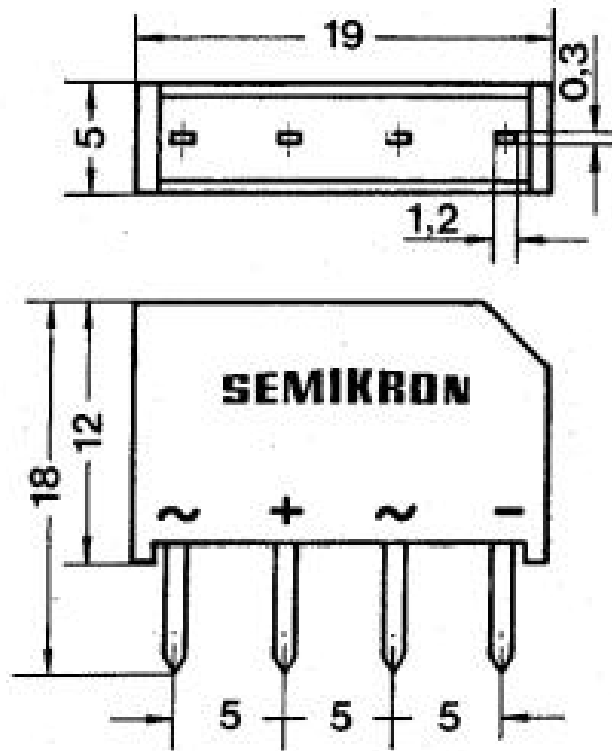
$V_{(BR) \min}$ V	$V_{VRMS}$ V	$I_D = 1,8 \text{ A } (T_a = 45^\circ\text{C})$ Types	$C_{\max}$ $\mu\text{F}$	$R_{\min}$ $\Omega$
1300	500	SKBa B500C1000L5B	400	6

Symbol	Conditions	Values	Units
$I_D$	$T_a = 45^\circ\text{C}$ , isolated <sup>1)</sup>	1,2	A
	$T_a = 45^\circ\text{C}$ , chassis <sup>2)</sup>	1,8	A
	$T_a = 45^\circ\text{C}$ , isolated <sup>1)</sup>	1	A
	$T_a = 45^\circ\text{C}$ , chassis <sup>2)</sup>	1,5	A
$I_{FSM}$	$T_{vj} = 25^\circ\text{C}$ , 10 ms	58	A
	$T_{vj} = 150^\circ\text{C}$ , 10 ms	50	A
$i^2t$	$T_{vj} = 25^\circ\text{C}$ , 8,3 ... 10 ms	17	A <sup>2</sup> s
	$T_{vj} = 150^\circ\text{C}$ , 8,3 ... 10 ms	12,5	A <sup>2</sup> s
$P_{RSM}$	$t_p = 10 \mu\text{s}$	1000	W
$V_F$	$T_{vj} = 25^\circ\text{C}$ , $I_F = 10 \text{ A}$	max. 1,65	V
	$T_{vj} = 150^\circ\text{C}$	0,85	V
$r_T$	$T_{vj} = 150^\circ\text{C}$	100	m $\Omega$
$I_{RD}$	$T_{vj} = 25^\circ\text{C}$ , $V_{RD} = V_{(BR) \min}$	5	$\mu\text{A}$
$I_{RD}$	$T_{vj} = 150^\circ\text{C}$ , $V_{RD} = V_{(BR) \min}$	0,6	mA
$t_{rr}$	$T_{vj} = 25^\circ\text{C}$	10	$\mu\text{s}$
$f_G$		2000	Hz
$R_{th(j-a)}$	isolated <sup>1)</sup>	42	K/W
	chassis <sup>2)</sup>	27	K/W
$T_{vj}$		- 40 ... + 150	$^\circ\text{C}$
$T_{stg}$		- 55 ... + 150	$^\circ\text{C}$
m		2	g
Fu		1,5	A
Case		G 2	



# SKBa B500C1000L5B





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.