

# SKB B...C1500L5B



## Miniature Bridge Rectifiers

### SKB B...C1500L5B

#### Features

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

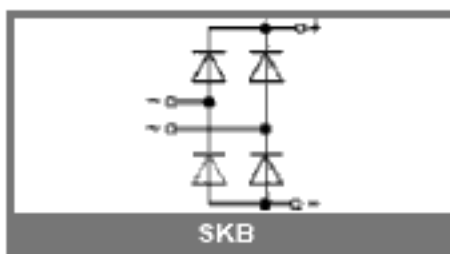
#### Typical Applications

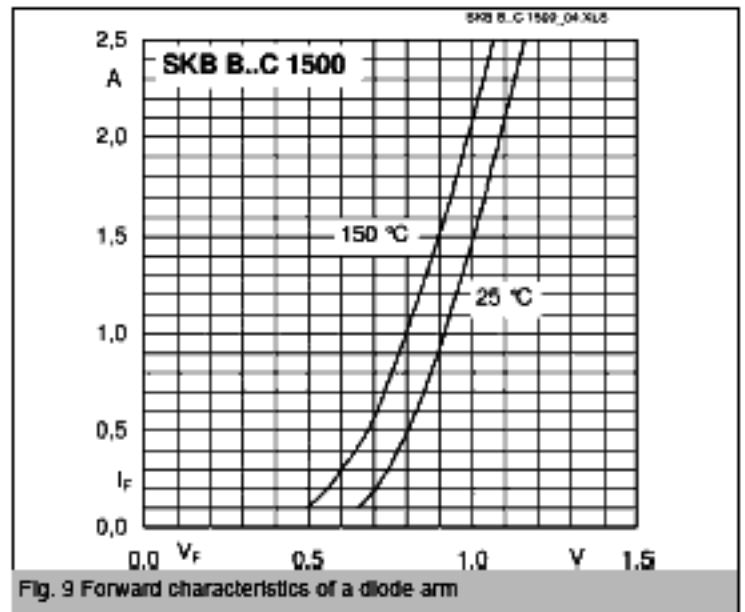
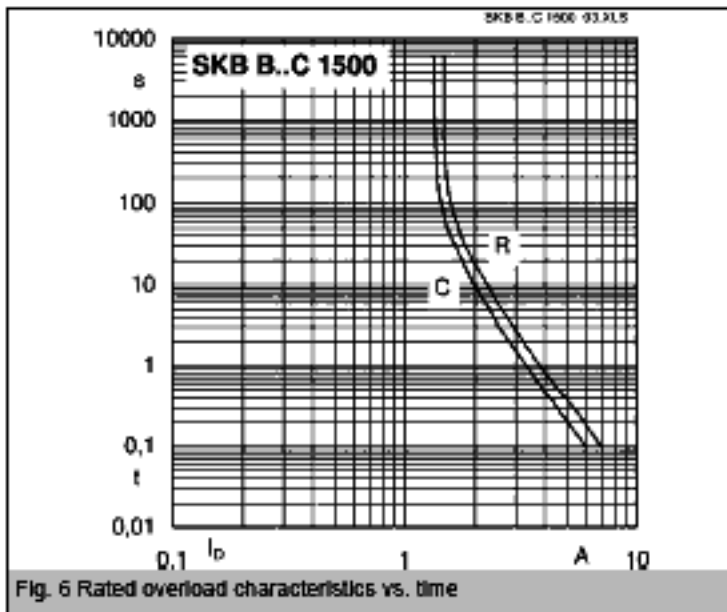
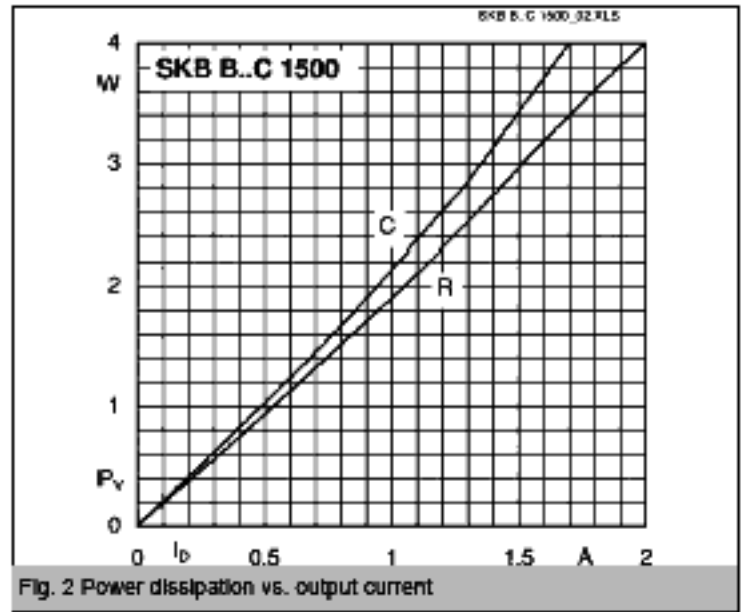
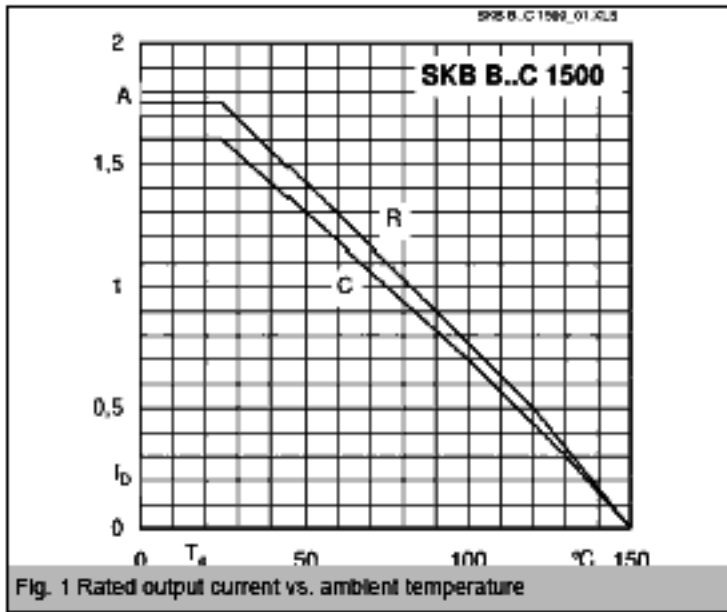
- Internal power supplies for electronic equipment
- DC power supplies
- Control equipment
- TV sets
- Recommended snubber network:  
RC: 10 nF, 20...50  $\Omega$  ( $P_R = 1$  W)

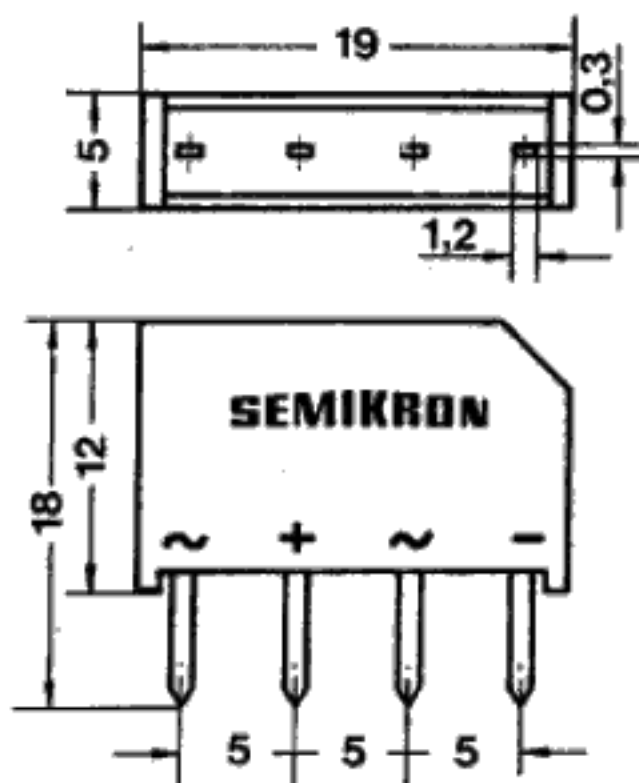
1) Freely suspended or mounted on an insulator

$V_{RRM}$ , $V_{RRM}$ V	$V_{VRMS}$ V	$I_D = 2,5$ A ( $T_a = 45$ °C) Types	$C_{max}$ $\mu$ F	$R_{th\Omega}$ $\Omega$
120	40	SKB B40C1500L5B	7000	0,4
400	125	SKB B80C1500L5B	2200	1,1
800	250	SKB B250C1500L5B	1000	2,6
1000	380	SKB B380C1500L5B	700	4
1200	600	SKB B500C1500L5B	500	6

Symbol	Conditions	Values	Units
$I_D$	$T_a = 45$ °C, isolated <sup>1)</sup>	1,5	A
$I_{OCL}$	$T_a = 33$ °C, isolated <sup>1)</sup>	1,5	A
$I_{FSM}$	$T_{vj} = 25$ °C, 10 ms	80	A
$P_T$	$T_{vj} = 150$ °C, 10 ms	70	A
	$T_{vj} = 25$ °C, 8,3 ... 10 ms	32	A <sup>2</sup> s
	$T_{vj} = 150$ °C, 8,3 ... 10 ms	24,6	A <sup>2</sup> s
$V_F$	$T_{vj} = 25$ °C, $I_F = 10$ A	max. 1,6	V
$V_{(TO)}$	$T_{vj} = 150$ °C	0,85	V
$r_T$	$T_{vj} = 150$ °C	60	m $\Omega$
$I_{RD}$	$T_{vj} = 25$ °C, $V_{RD} = V_{RRM} = 120$ V	20	$\mu$ A
	$T_{vj} = 25$ °C, $V_{RD} = V_{RRM} \geq 400$ V	6	$\mu$ A
$I_{RD}$	$T_{vj} = 150$ °C, $V_{RD} = V_{RRM} = 120$ V	1	mA
	$T_{vj} = 150$ °C, $V_{RD} = V_{RRM} \geq 400$ V	0,6	mA
$t_{tr}$	$T_{vj} = 25$ °C	10	$\mu$ s
$f_G$		2000	Hz
$R_{th(j-a)}$	isolated <sup>1)</sup>	35	K/W
$T_{vj}$		- 40 ... + 150	°C
$T_{stg}$		- 65 ... + 150	°C
m		2	g
Fu		2	A
Case		G 2	







Case G 2

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