

SKBa B500C3200/2200



Avalanche Bridge Rectifiers

SKBa B500C3200/2200

Features

- Compact plastic package with in-line terminals
- High blocking voltage
- Avalanche characteristics
- Plastic material used for carries Underwriters Laboratories flammability classification 94 V-0

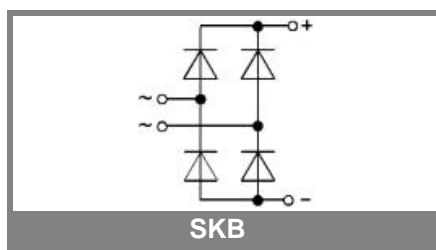
Typical Applications

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

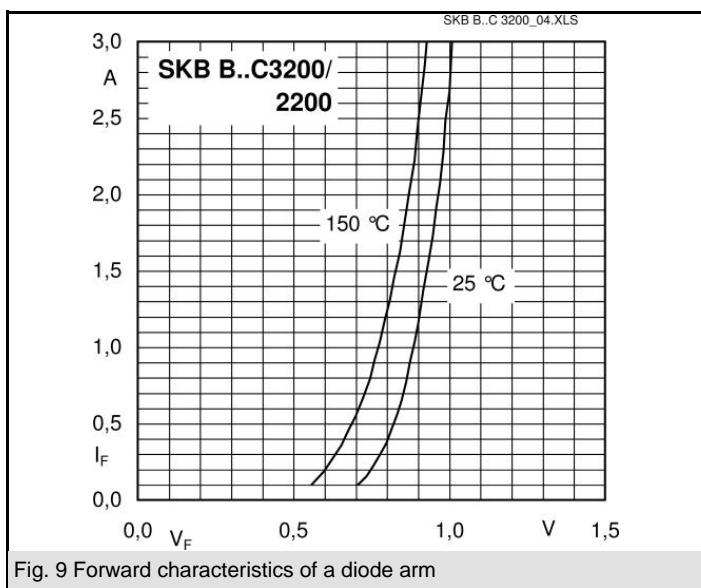
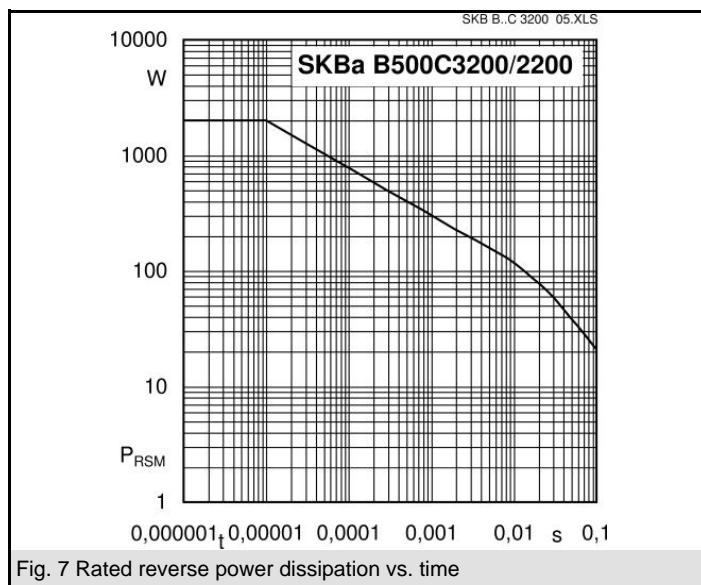
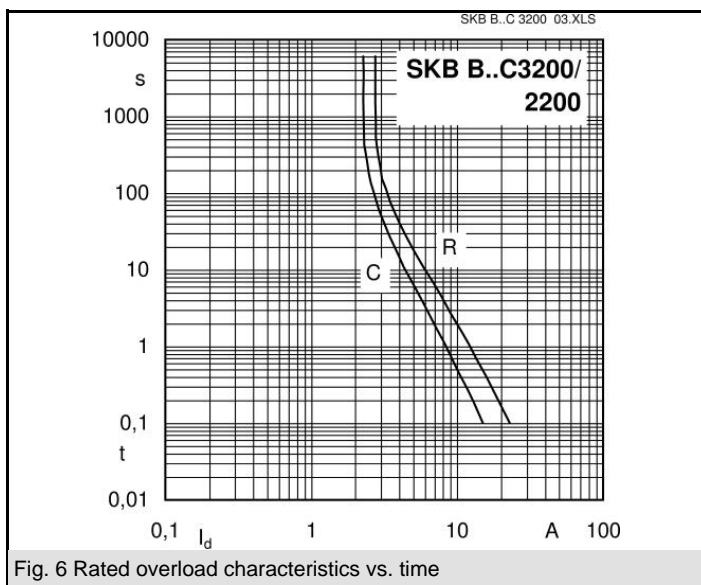
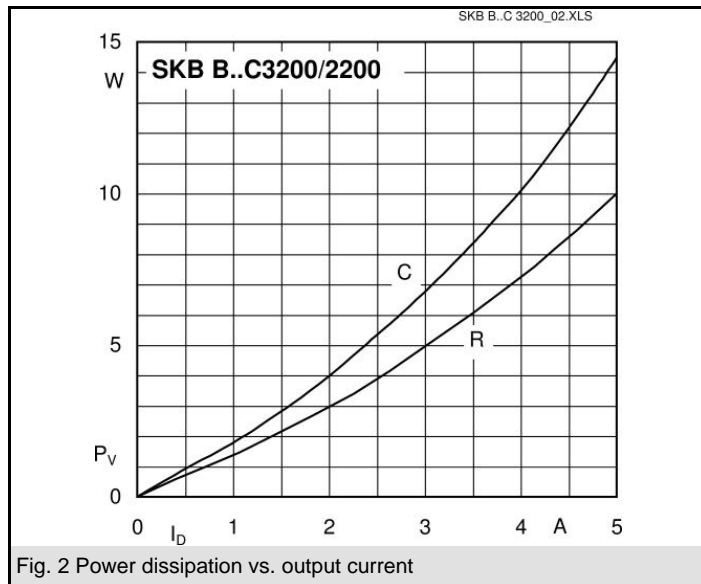
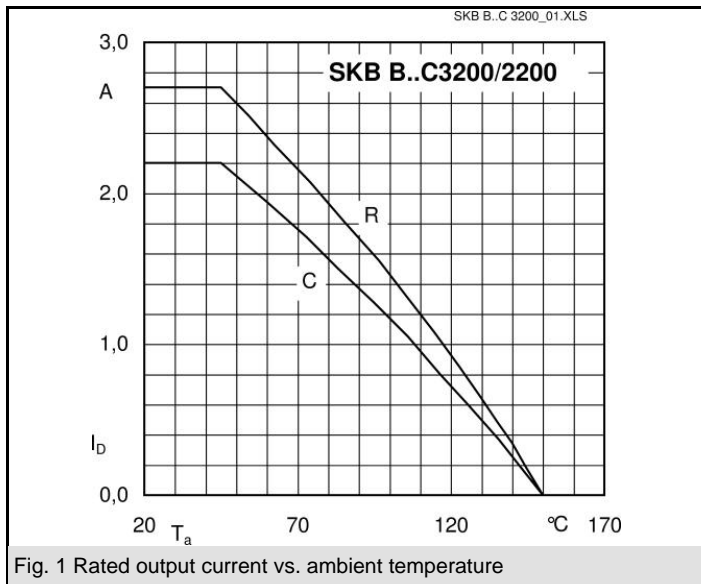
- 1) Freely suspended or mounted on an insulator
- 2) Mounted on a painted metal sheet of min. 250 x 250 x 1 mm

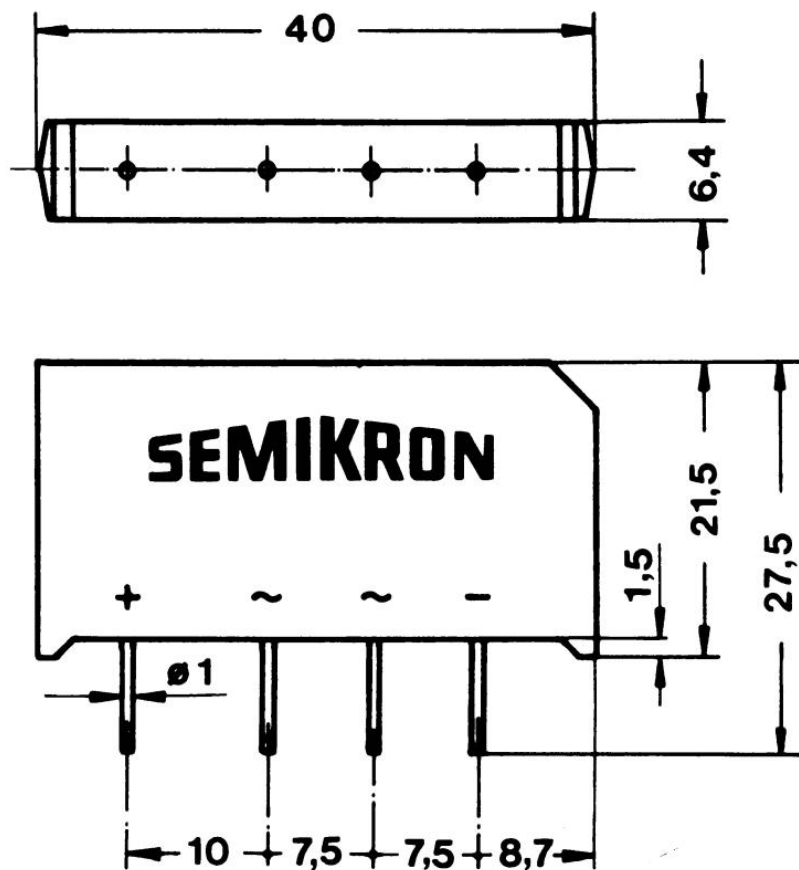
$V_{(BR) \min}$ V	V_{VRMS} V	$I_D = 4 \text{ A}$ ($T_a = 45 \text{ }^\circ\text{C}$) Types	C_{\max} μF	R_{\min} Ω
1300	500	SKBa B500C3200/2200	800	3

Symbol	Conditions	Values	Units
I_D	$T_a = 45 \text{ }^\circ\text{C}$, isolated ¹⁾	2,7	A
	$T_a = 45 \text{ }^\circ\text{C}$, chassis ²⁾	4	A
I_{DCL}	$T_a = 45 \text{ }^\circ\text{C}$, isolated ¹⁾	2,2	A
	$T_a = 45 \text{ }^\circ\text{C}$, chassis ²⁾	3,2	A
I_{FSM}	$T_{vj} = 25 \text{ }^\circ\text{C}$, 10 ms	115	A
	$T_{vj} = 150 \text{ }^\circ\text{C}$, 10 ms	100	A
i^2t	$T_{vj} = 25 \text{ }^\circ\text{C}$, 8,3 ... 10 ms	66	A ² s
	$T_{vj} = 150 \text{ }^\circ\text{C}$, 8,3 ... 10 ms	50	A ² s
P_{RSM}	$t_p = 10 \mu\text{s}$	2000	W
V_F	$T_{vj} = 25 \text{ }^\circ\text{C}$, $I_F = 10 \text{ A}$	max. 1,25	V
$V_{(TO)}$	$T_{vj} = 150 \text{ }^\circ\text{C}$	0,85	V
r_T	$T_{vj} = 150 \text{ }^\circ\text{C}$	24	m Ω
I_{RD}	$T_{vj} = 25 \text{ }^\circ\text{C}$, $V_{RD} = V_{(BR) \min}$	5	μA
I_{RD}	$T_{vj} = 150 \text{ }^\circ\text{C}$, $V_{RD} = V_{(BR) \min}$	0,6	mA
t_{rr}	$T_{vj} = 25 \text{ }^\circ\text{C}$	10	μs
f_G		2000	Hz
$R_{th(j-a)}$	isolated ¹⁾	22	K/W
	chassis ²⁾	15	K/W
T_{vj}		- 40 ... + 150	$^\circ\text{C}$
T_{stg}		- 55 ... + 150	$^\circ\text{C}$
m		10	g
Fu		4	A
Case		G 5	



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Case G 5

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