

663-489 to 517

SEMIKRON

V _{RSM} V _{RRM}	V _{VRMS} V	I _D (T _{amb} = 45 °C)					
		4 A			8 A		
		Types	C _{max} μF	R _{min} Ω	Types	C _{max} μF	R _{min} Ω
100	40	SKB B 40 C3200/2200	10000	0,25	SKB B 40 C5000/3300	15000	0,2
200	80	—	—	—	SKB B 80 C5000/3300	10000	0,3
300	125	—	—	—	SKB B 125 C5000/3300	5000	0,4
400	125	SKB B 80 C3200/2200	3000	0,8	—	—	—
600	250	—	—	—	SKB B 250 C5000/3300	2500	0,8
800	250	SKB B 250 C3200/2200	1700	1,6	—	—	—
900	380	SKB B 380 C3200/2200	1800	2,4	SKB B 380 C5000/3300	2000	1,2
1200	500	SKB B 500 C3200/2200	800	3	SKB B 500 C5000/3300	1200	1,6
V _(BR) V	V _{VRMS} V	Avalanche Type					
1300	500	SKBa B 500 C3200/2200	800	3	—	—	—

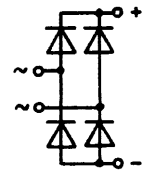
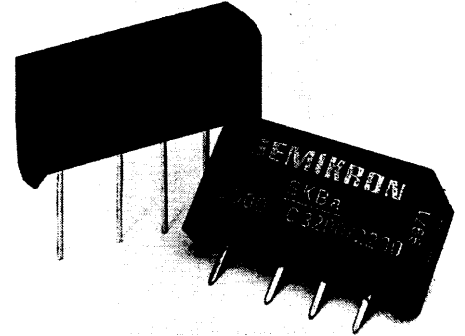
Symbol	Conditions	SKB/SKBa B...C 3200/2200	SKB B...C 5000/3300
I _D	T _{amb} = 45 °C; isolated ¹⁾ chassis ²⁾	2,7 A 4,0 A	4 A 8,3 A
I _{DCL}	T _{amb} = 45 °C; isolated ¹⁾ chassis ²⁾	2,2 A 3,2 A	3,6 A 6,8 A
I _N	T _{amb} = 45 °C; isolated ¹⁾ chassis ²⁾	2,2 A 3,2 A	3,2 A 6,5 A
I _{NCL}	T _{amb} = 45 °C; isolated ¹⁾ chassis ²⁾	1,75 A 2,5 A	2,9 A 5,5 A
I _{FSM}	T _{vj} = 25 °C, 10 ms T _{vj} = 150 °C, 10 ms	115 A 100 A	250 A 200 A
i ² t	T _{vj} = 25 °C, 8,3...10 ms T _{vj} = 150 °C, 8,3...10 ms	66 A ² s 50 A ² s	312 A ² s 200 A ² s
P _{RSM}	t _p = 10 μs; avalanche type	2000 W	—
V _F	T _{vj} = 25 °C; (I _F = ...)	1,25 V (10 A)	1,1 V (5 A)
V _(TO)	T _{vj} = 150 °C	0,85 V	0,85 V
r _T	T _{vj} = 150 °C	24 mW	25 mΩ
I _{RD}	T _{vj} = 25 °C; V _{RD} = V _{RRM} ≤ 200 V ≥ 300 V	20 μA 5 μA	10 μA 10 μA
	T _{vj} = 150 °C; V _{DR} = V _{RRM} ≤ 200 V ≥ 300 V	1 mA 0,6 mA	0,5 mA 0,5 mA
t _{rr}	T _{vj} = 25 °C	typ. 10 μs	
f _G		2000 Hz	
R _{thja}	isolated ¹⁾ chassis ²⁾	22 °C/W 15 °C/W	16 °C/W 7 °C/W
T _{vj}		-40...+150 °C	-40...+175 °C
T _{stg}		-55...+150 °C	-40...+175 °C
RC	P _R = 1 W	10 nF + 20...50 Ω	
F _u		4 A	
w		10 g	
Case		G 5	G 33

Miniature Bridge Rectifiers

SKB B ... C 3200/2200

SKB B ... C 5000/3300

SKBa B ... C 3200/2200

**Features**

- Compact plastic package with in-line terminals
- High blocking voltage
- SKBa with avalanche characteristics
- C 5000/3300 with glass passivated silicon chips for highest reliability
- Plastic material used for C5000/3300 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