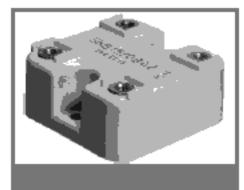
## **SKB** 15



## Power Bridge Rectifiers

**SKB 15** 

## Features

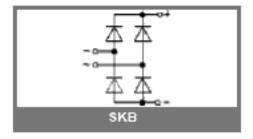
- Square plastic case with screw terminals
- Blocking voltage up to 1600 V
- Metal baseplate for improved heat transfer

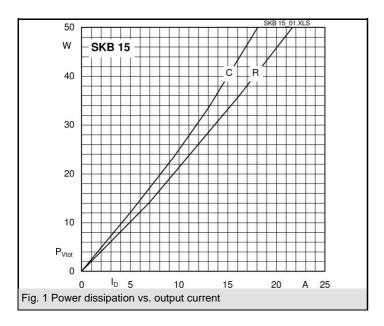
## Typical Applications

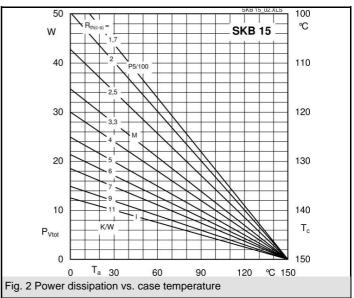
- Internal power supplies for electronic equipment
- · Electronic control equipment
- DC motors
- · Field rectifiers for DC motors
- · Battery charger rectifiers
- Recommended snubber network:
   RC: 100 nF, 20...50 Ω (P<sub>R</sub> = 1 W)
- Freelf suspended or mounted on an insulator
- Mounted on apainted metal sheet of min.
  260 x 260 x 1 mm

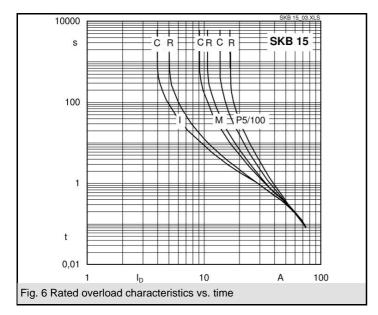
V <sub>RSM</sub> , V <sub>RRM</sub> V	V <sub>VFMB</sub> V	I <sub>D</sub> = 16 A (T <sub>e</sub> = 117 °C) T <b>∮</b> pes	C <sub>max</sub> µF	R <sub>min</sub> Ω
200	60	SKB 15/02 A2		0,15
400	125	SKB 15/04 A2		0,3
800	260	SKB 15/08 A2		0,6
1200	380	SKB 16/12 A2		0,75
1400	440	SKB 15/14 A2		0,9
1600	600	SKB 16/16 A2		1

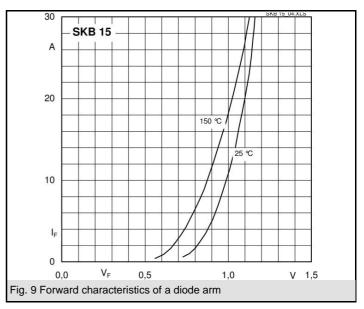
Symbol	Conditions	Values	Units
l <sub>D</sub>	T <sub>a</sub> = 45 °C, isolated¹)	6	A
-	T <sub>a</sub> = 45 °C, chassis <sup>2)</sup>	11	A
I <sub>DCL</sub>	T <sub>a</sub> = 45 °C, isolated¹)	4	A
	T <sub>a</sub> = 45 °C, chassis <sup>2)</sup>	9	A
	T <sub>a</sub> = 45 °C, P6A/100	14	A
I <sub>FSM</sub>	T <sub>vi</sub> = 25 °C, 10 ms	370	A
	T <sub>ss</sub> = 150 °C, 10 ms	320	A
řt	T <sub>vi</sub> = 25 °C, 8,3 10 ms	680	A <sup>z</sup> s
	T <sub>vi</sub> = 160 °C, 8,3 10 ms	600	Azs
V <sub>F</sub>	T <sub>vi</sub> = 26°C, I <sub>F</sub> = 150 A	max. 2,2	V
V <sub>(TO)</sub>	T <sub>N</sub> = 160°C	0,85	v
r <sub>T</sub>	T <sub>vi</sub> = 150°C	12	mΩ
I <sub>RD</sub>	T <sub>vj</sub> = 25°C, V <sub>RD</sub> =V <sub>RRM</sub>	300	μA
I <sub>RD</sub>	T <sub>vi</sub> = 150°C, V <sub>RD</sub> =V <sub>RRM</sub>	6	mA
t <sub>rr</sub>	T <sub>vi</sub> = 25°C	10	μs
f <sub>G</sub>	*	2000	Hz
R <sub>th(j-#)</sub>	isolated <sup>1)</sup>	12	K/W
,	chassis <sup>2)</sup>	4,3	KW
R <sub>(h(j-c)</sub>	total	1	KW
R <sub>th(c-e)</sub>	total	0,3	KW
T <sub>vi</sub>		- 40 + 160	-c
T <sub>ets</sub>		- 65 + 160	•c
V <sub>isol</sub>	a.c. 60 60 Hz; r.m.s.; 1 s / 1 min.	3000/2500	V~
M <sub>s</sub>	to heatsink	1,5 ± 16 %	Nm
M,	to terminals	1 ± 15 %	Nm
m.		65	9
Fu		20	A
Case		G 9	

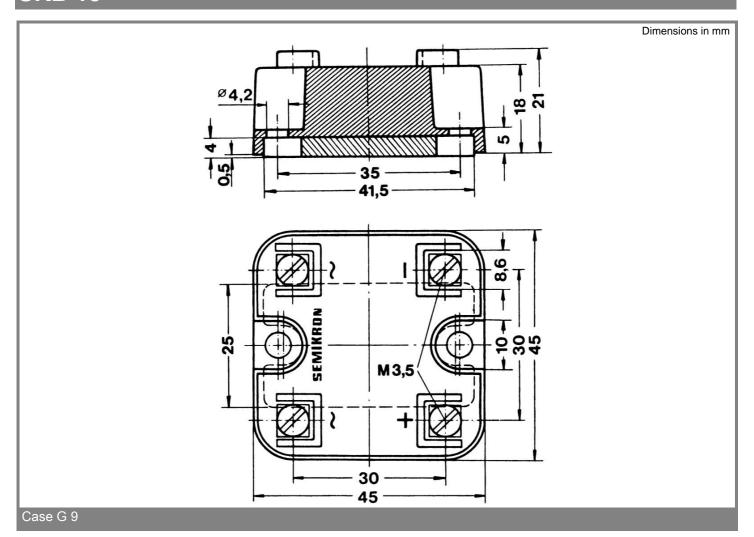












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