SKB 2

V_{RSM}, V_{RRM} V	V_{VRMS} V	I_D = 2,5 A (T_a = 45 °C) Types	C_{max} µF	R_{min} Ω
200	60	SKB 2/02L5A	3000	1
400	125	SKB 2/04L5A	2200	1,5
800	250	SKB 2/08L5A	1000	3
1200	500	SKB 2/12L5A	500	6

Miniature Bridge Rectifiers

SKB 2

Features

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

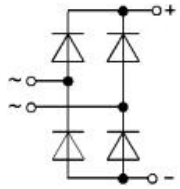
Typical Applications*

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

1) Freely suspended or mounted on an insulator

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

Symbol	Conditions	Values	Units
I_D	T_a = 45 °C, isolated[1)]	1,7	A
	T_a = 45 °C, chassis[2)]	2,5	A
I_{DCL}	T_a = 45 °C, isolated[1)]	1,4	A
	T_a = 45 °C, chassis[2)]	2	A
	T_a = °C,		A
I_{FSM}	T_{vj} = 25 °C, 10 ms	58	A
	T_{vj} = 150 °C, 10 ms	50	A
i²t	T_{vj} = 25 °C, 8,3 ... 10 ms	17	A²s
	T_{vj} = 150 °C, 8,3 ... 10 ms	12,5	A²s
V_F	T_{vj} = 25°C, I_F = 10 A	max. 1,65	V
$V_{(TO)}$	T_{vj} = 150°C	max. 0,85	V
r_T	T_{vj} = 150°C	max. 100	mΩ
I_{RD}	T_{vj} = 25°C, V_{RD}=V_{RRM} = 200 V	20	µA
	T_{vj} = 25°C, V_{RD}=V_{RRM} ≥ 400 V	5	µA
I_{RD}	T_{vj} = 150°C, V_{RD}=V_{RRM} = 200 V	1	mA
	T_{vj} = 150°C, V_{RD}=V_{RRM} ≥ 400 V	0,6	mA
t_{rr}	T_{vj} = 25°C	10	µs
f_G		2000	Hz
$R_{th(j-a)}$	isolated[1)]	30	K/W
	chassis[2)]	17,5	K/W
T_{vj}		- 40 ... + 150	°C
T_{stg}		- 55 ... + 150	°C
V_{isol}			V~
M_s			Nm
M_t			Nm
a			m/s²
w		4	g
Fu		2	A
Case		G 4	



SKB

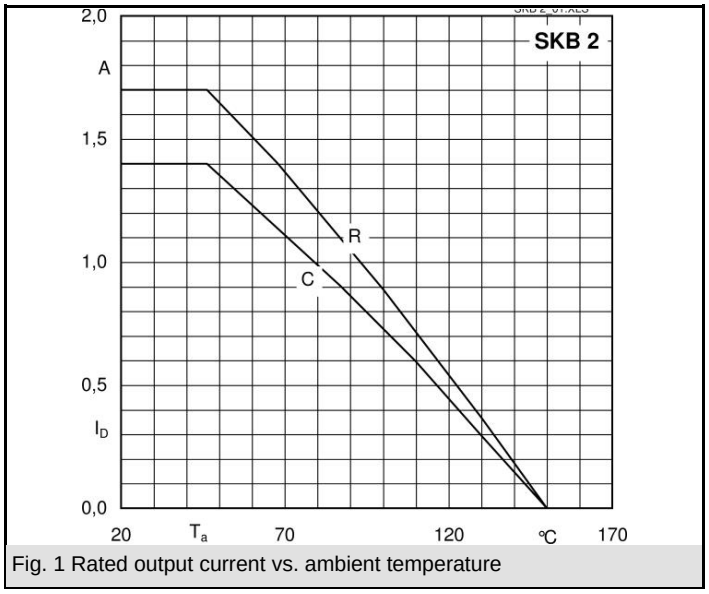


Fig. 1 Rated output current vs. ambient temperature

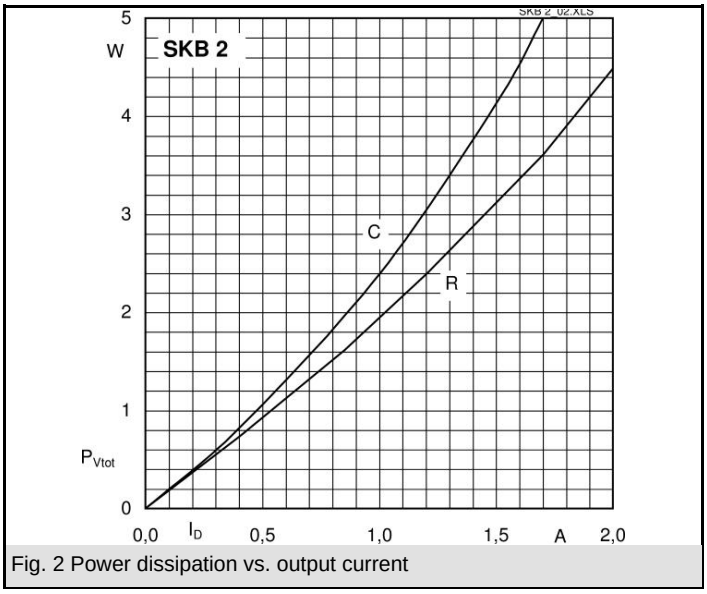


Fig. 2 Power dissipation vs. output current

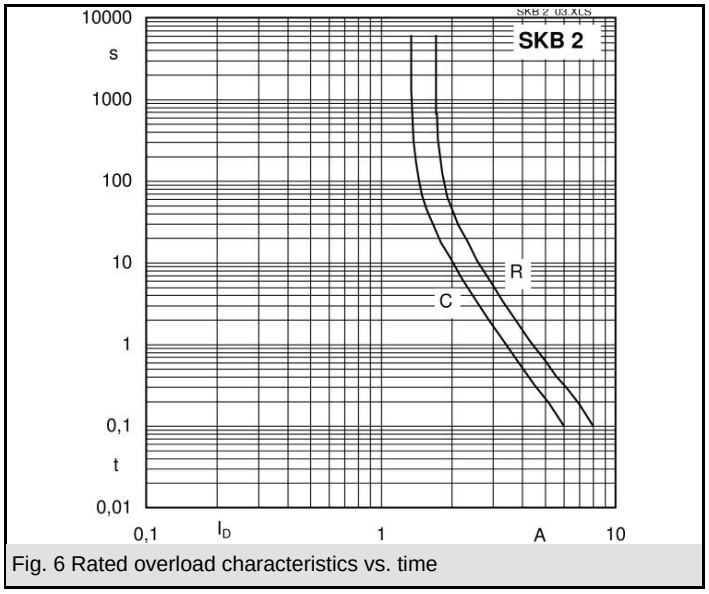


Fig. 6 Rated overload characteristics vs. time

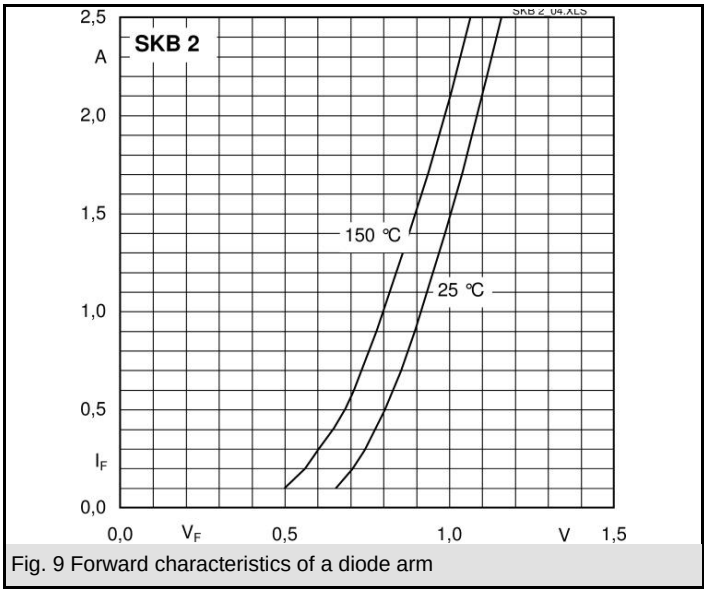
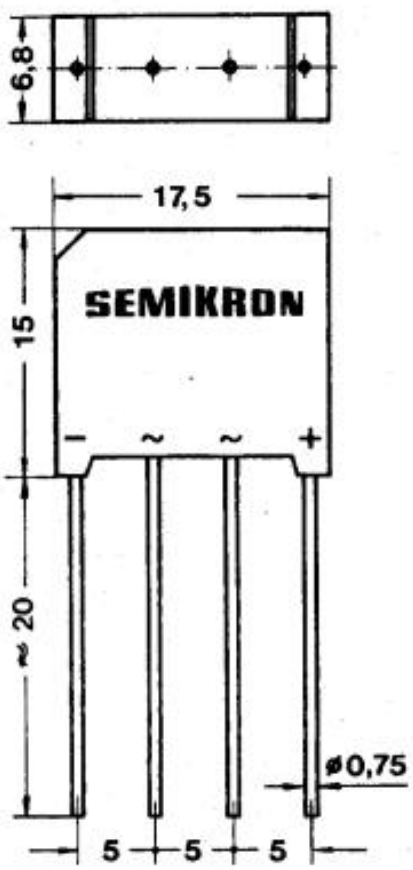


Fig. 9 Forward characteristics of a diode arm

Dimensions in mm



Case G 4

* The specifications of our components may not be considered as an assurance of component characteristics. Components have to be tested for the respective application. Adjustments may be necessary. The use of SEMIKRON products in life support appliances and systems is subject to prior specification and written approval by SEMIKRON. We therefore strongly recommend prior consultation of our personal.

