SKB 25



Power Bridge Rectifiers

i onor Briage reconnere			
C C	I _{DCL}	$T_a = 45 \text{ °C}$, isolated ¹⁾	3
	502	$T_a = 45 \text{ °C}, \text{ chassis}^{2)}$	9,5
SKB 25		$T_a = °C,$	
SKB 25	I _{FSM}	T _{vi} = 25 °C, 10 ms	370
	1 OM	T _{vi} = 150 °C, 10 ms	320
	i²t	T _{vi} = 25 °C, 8,3 10 ms	680
		T _{vi} = 150 °C, 8,3 10 ms	500
Features	V _F	T _{vi} = 25°C, I _F = 150 A	max. 2,2
Square plastic case with isolated	V _(TO)	$T_{vi}^{vj} = 150^{\circ}C$	max. 0,85
metal base plate and	r _T	$T_{vi}^{vj} = 150^{\circ}C$	max. 12
fast-on connectors	I _{RD}	$T_{vi}^{vj} = 25^{\circ}C, V_{RD} = V_{RRM}$	300
 Blocking voltage up to 1600 V 	110	$T_{vi} = °C, V_{RD} = V_{RRM} \ge V$	
 High surge current 	I _{RD}	$T_{vi} = 150^{\circ}C, V_{RD} = V_{RRM}$	5
		$T_{vj} = °C, V_{RD} = V_{RRM} \ge V$	
• Easy chassis mounting	t _{rr}	$T_{vi} = 25^{\circ}C$	10
• UL recognized, file no. E 63 532	f _G		2000
Typical Applications	R _{th(j-a)}	isolated ¹⁾	15
 Rectifier for power supplies 		chassis ²⁾	4,7
 Input rectifier for variable 	R _{th(j-c)}	total	2
frequency drives	R _{th(c-s)}	total	0,15
 Rectifier for DC motor field 	l _{vj}		- 40 + 150
supplies	T _{stg}		- 55 + 150
 Battery charger rectifiers 	V _{isol}	a.c. 50 60 Hz; r.m.s.; 1 s / 1 min.	3000 / 2500
 Recommended snubber network: 	M _s	to heatsink	2 ± 15 %
	M _t		
RC: 50 Ω, 0.1 μF (P _R = 1 W)	а		

V_{RSM}, V_{RRM}

V

100

200

400

600

800

1200

1400

1600

Symbol

 I_D

w

Fu

Case

V_{VRMS}

V

Conditions

T_a = 45 °C, isolated¹⁾

 $T_a = 45 \,^{\circ}C$, chassis²⁾

 $I_{\rm D} = 17 \text{ A} (T_{\rm c} = 75 \text{ °C})$

Types

SKB 25/01

SKB 25/02

SKB 25/04

SKB 25/06

SKB 25/08

SKB 25/12

SKB 25/14

SKB 25/16

C_{max}

μF

Values

3,5

10

24

20

G 10b

 $\mathsf{R}_{\mathsf{min}}$

Ω

0,1

0,15

0,3

0,5

0,7

1

1,2

1,5

Units

А

А А А А

А А A²s A²s

V

V

mΩ

μA

μA

mΑ

mΑ

μs

Hz

K/W K/W

K/W

K/W

°C

°C

V~

Nm

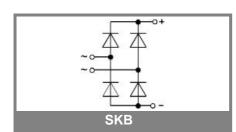
Nm

m/s²

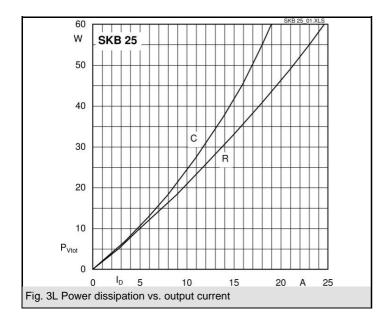
g

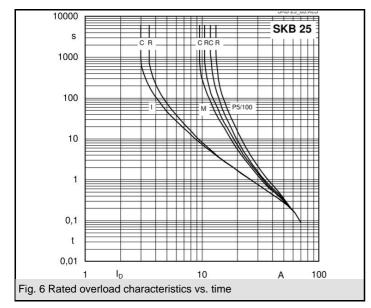
А

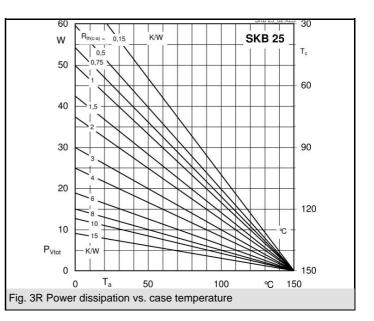
- 1) Freely suspended or mounted on an insulator
- 2) Mounted on a painted metal sheet of min. 250 x 250 x 1 mm

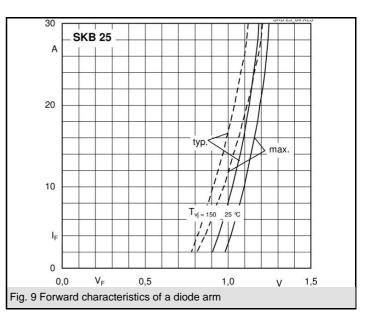


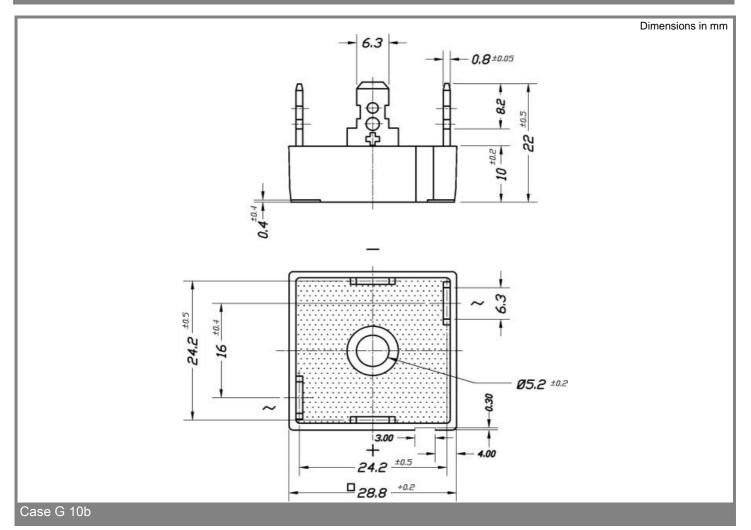
SKB 25











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