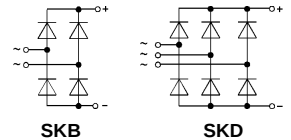


V_{RSM} V_{RRM}	$I_p (T_{case} = ...)$ 20 A (73 °C)			
V	Types	R_{min} Ω	Types	R_{min} Ω
100	SKB 25/01	0,1	—	—
200	SKB 25/02	0,15	SKD 25/02	0,15
400	SKB 25/04	0,3	SKD 25/04	0,3
600	SKB 25/06	0,5	—	—
800	SKB 25/08	0,7	SKD 25/08	0,7
1200	SKB 25/12	1	SKD 25/12	1
1400	SKB 25/14	1,2	SKD 25/14	1,2
1600	SKB 25/16	1,5	SKD 25/16	1,5

查询"SKB25/04"供应商

Power Bridge Rectifiers

SKB 25
SKD 25



Symbol	Conditions	SKB 25	SKD 25	Units
I_D	$T_{amb} = 45\text{ °C}$; isolated ¹⁾ chassis ²⁾	3,5 10 14	3,5 12 15	A A A
I_{DCL}	$T_{amb} = 45\text{ °C}$; isolated ¹⁾ chassis ²⁾	P1A/120 3 9,5 12 14	20 3,5 12 15 20	A A A A A
I_{FSM}	$T_{vj} = 25\text{ °C}$; 10 ms	370	320	A
i^2t	$T_{vj} = 150\text{ °C}$; 10 ms	680	500	A ² s A ² s
V_F	$T_{vj} = 25\text{ °C}$; $I_F = 150\text{ A}$	2,2	—	V
$V_{(TO)}$	$T_{vj} = 150\text{ °C}$	0,85	—	V
r_T	$T_{vj} = 150\text{ °C}$	12	—	m Ω
I_{RD}	$T_{vj} = 25\text{ °C}$; $V_{RD} = V_{RRM}$	0,3	—	mA
t_{rr}	$T_{vj} = 150\text{ °C}$; $V_{RD} = V_{RRM}$	5	—	mA
f_G	$T_{vj} = 25\text{ °C}$	typ. 10 2000	—	μ s Hz
R_{thjc}	total	2	1,75	°C/W
R_{thch}	total	0,15	—	°C/W
R_{thja}	isolated ¹⁾ chassis ²⁾	15 4,7	—	°C/W °C/W
	R4A/120	3,6	—	°C/W
	P1A/120	2,75	—	°C/W
T_{vj}		— 40...+ 150	—	°C
T_{stg}		— 55...+ 150	—	°C
V_{isol}	a.c. 50...60 Hz; r.m.s.; 1 s/ 1 min	3000 / 2500	—	V~
RC	$P_R = 1\text{ W}$	50 0,1 20	—	Ω μ F A
F_u		2 $\pm$ 15 %	—	Nm
M_1	to heatsink	18 $\pm$ 15 %	—	lb. in.
w	SI units US units	24 26	—	g
Case		G 10	G 11	

Features

- Square plastic case with isolated metal base plate and fast-on connectors
- Blocking voltage to 1600 V
- High surge currents
- **SKB** = single phase bridge rectifier
- **SKD** = three phase bridge rectifier
- Easy chassis mounting
- UL recognized, file no. E 63 532

Typical Applications

- Single and three phase rectifiers for power supplies
- Input rectifiers for variable frequency drives
- Rectifiers for DC motor field supplies
- Battery charger rectifiers

¹⁾ Freely suspended or mounted on an insulator

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

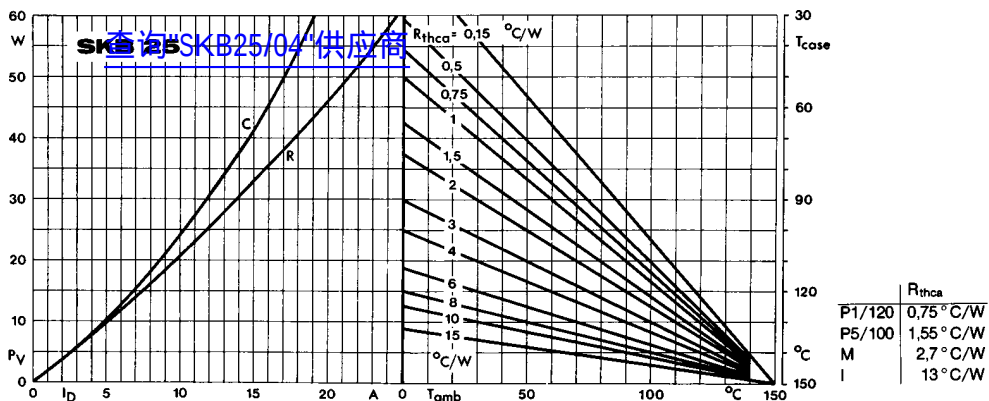


Fig. 3 a Power dissipation vs. output current and case temperature

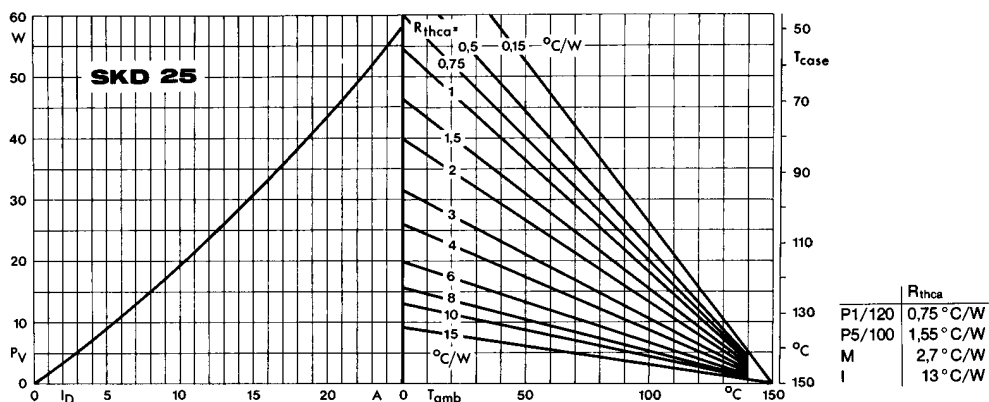


Fig. 3 b Power dissipation vs. output current and case temperature

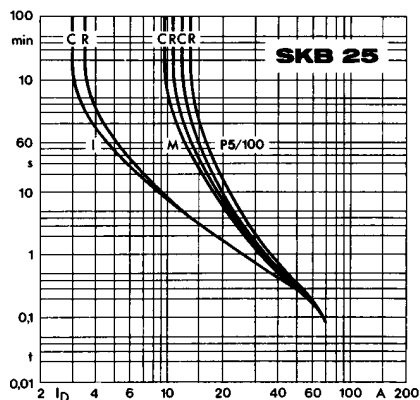


Fig. 6 a Rated overload current vs. time

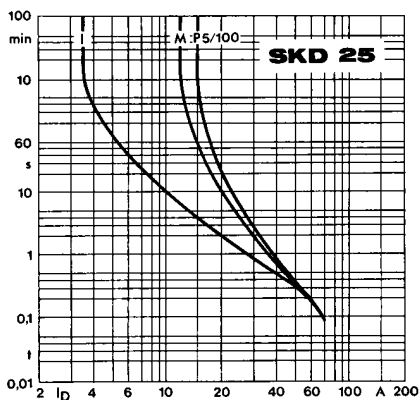


Fig. 6 b Rated overload current vs. time

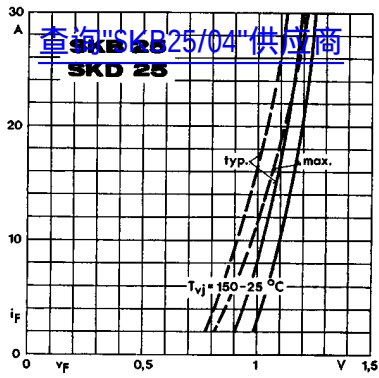
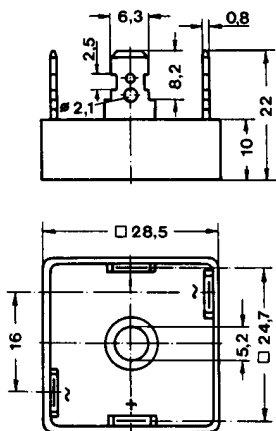


Fig. 9 Forward characteristics of a single diode

SKB 25

Case G 10

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Case G 11

