

Power Bridge Rectifiers

SKD 26

Features

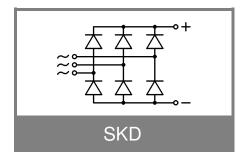
- Square plastic case with isolated metal base plate and wire leads
- Ideal for printed circuit boards
- Blocking voltage up to 1600 V
- High surge currents
- Notch moulded in casing for easy polarity identification
- Easy chassis mounting

Typical Applications

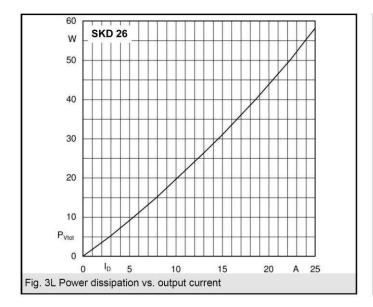
- Three-phase rectifier for power supplies
- Input rectifiers for variable frequency drives
- Rectifier for DC motor field supplies
- Battery charger rectifiers
- Recommended snubber network: RC: 50 Ω , 0.1 μ F (P_R = 1 W)
- Soldered directly on a p.c.b. of 100 x
 160 mm with tinned tracking of min. 2.5
 mm
- 2) Mounted on a painted metal sheet of min. 250 x 250 x 1 mm
- 3) Recommended

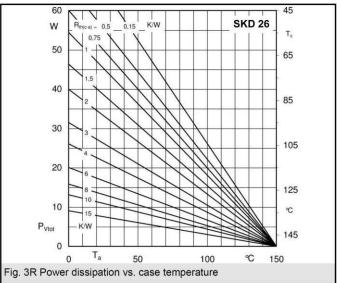
V _{RSM} , V _{RRM}	V _{VRMS} ³⁾	$I_D = 20 \text{ A } (T_c = 73 ^{\circ}\text{C})$ Types	C _{max} μF	${\sf R}_{\sf min} \ \Omega$
400	125	SKD 26/04		0,3
800	250	SKD 26/08		0,7
1200	380	SKD 26/12		1
1600	500	SKD 26/16		1,5

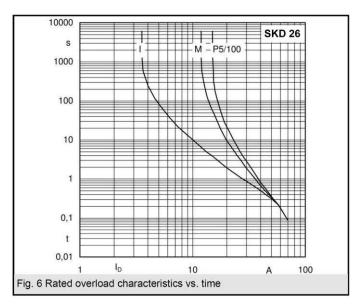
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Symbol	Condition	Values	Units
I _D	$T_a = 45 {}^{\circ}\text{C}$, isolated ¹⁾	3,5	Α
	$T_a = 45 {}^{\circ}\text{C}$, chassis ²⁾	12	Α
I _{DCL}	$T_a = 45 {}^{\circ}\text{C}$, isolated	3,5	Α
	$T_a = 45 {}^{\circ}\text{C}$, chassis ²⁾	12	Α
I _{FSM}	T _{vj} = 25 ^o C ; 10 ms	370	Α
_	$T_{vj} = 150 {}^{\circ}\text{C}$; 10 ms	320	Ą
i ² t	$T_{vj} = 25 {}^{\circ}\text{C}$; 8,310 ms	680	A^2s
	$T_{vj} = 150 {}^{\circ}\text{C}$; 8,310 ms	500	A A ² s A ² s
V_{F}	$T_{vj} = 25 {}^{\circ}\text{C}, I_F = 150 \text{A}$	max. 2,2	V
$V_{(TO)}$	$T_{vj} = 150 {}^{\circ}\text{C}$	0,85	V
r_{T}	T _{vj} = 150 ^o C	12	mΩ
I_{RD}	$T_{vj} = 25 ^{\circ}\text{C}$; $V_{RD} = V_{RRM}$	300	μΑ
I_{RD}	$T_{vj} = 150 ^{\circ}\text{C}$; $V_{RD} = V_{RRM}$	5	mΑ
t_{rr}	T _{vj} = 25 °C	typ. 10	μs
f_{G}	•	2000	Hz
$R_{th(j-a)}$	isolated ¹⁾	15	K/W
	chassis ²⁾	4,7	K/W
$R_{th(j-c)}$	total	1,75	K/W
$R_{th(c-s)}$	total	0,15	K/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~
Ms	to heatsink SI units	2 ± 15 %	Nm
	US units	18 ± 15%	Lb. in.
m	approx.	18	g
Case			

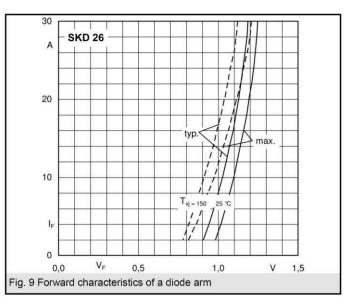


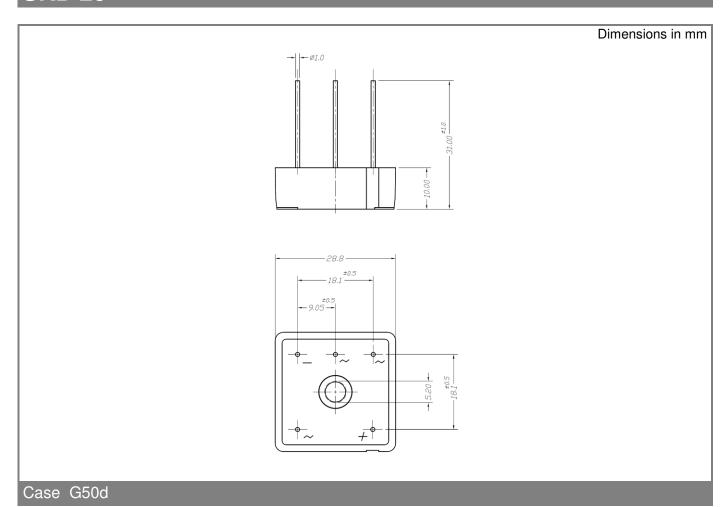
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