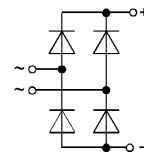


Power Bridge Rectifiers

SKB 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

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

V _{RSM} V _{RRM}	V _{V RMS}	I _D (T _{case} = 75 °C) 18 A	
		Types	R _{min} Ω
200	60	SKB 26/02	0,15
400	125	SKB 26/04	0,3
600	185	SKB 26/06	0,4
800	250	SKB 26/08	0,5
1000	310	SKB 26/10	0,65
1200	380	SKB 26/12	0,75
1400	440	SKB 26/14	0,9
1600	500	SKB 26/16	1,0

Symbol	Conditions	SKB 26	Units
I _D	T _{case} = 50 °C; res./inductive load	22	A
	T _{amb} = 45 °C; isolated ¹⁾	3,5	A
	chassis ²⁾	10	A
	P5A/100	13,5	A
	P1A/120	17	A
I _{DCL}	T _{amb} = 45 °C; isolated ¹⁾	3	A
	chassis ²⁾	9,5	A
	P5A/100	11,5	A
	P1A/120	14	A
I _{FSM}	T _{vj} = 25 °C, 10 ms	370	A
	T _{vj} = 150 °C, 10 ms	320	A
i ² t	T _{vj} = 25 °C, 8,3...10 ms	680	A ² s
	T _{vj} = 150 °C, 8,3...10 ms	500	A ² s
V _F	T _{vj} = 25 °C; I _F = 150 A	2,2	V
V _(TO)	T _{vj} = 150 °C	0,85	V
r _T	T _{vj} = 150 °C	12	mΩ
I _{RD}	T _{vj} = 25 °C; V _{RD} = V _{RRM}	0,3	mA
	T _{vj} = 150 °C; V _{RD} = V _{RRM}	5	mA
t _{rr}	T _{vj} = 25 °C	typ. 10	μs
f _G		2000	Hz
R _{thjc}	total	1,9	°C/W
R _{thch}	total	0,15	°C/W
R _{thja}	isolated ¹⁾	15	°C/W
	chassis ²⁾	4,7	°C/W
	P5A/100	3,55	°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 W	0,1	μF
		50	Ω
M ₁	case to heatsink	SI units	2 ± 15 %
		US units	18 ± 15 %
w		20	g
Case		G 50	

¹⁾ Soldered directly onto 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

