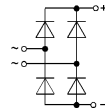


Power Bridge Rectifiers

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_{VRMS}	I_D ($T_{case} = 75\text{ °C}$) 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	$T_{case} = 50\text{ °C}$; res./inductive load	22	A	
	$T_{amb} = 45\text{ °C}$; isolated ¹⁾	3,5	A	
	chassis ²⁾	10	A	
	P5A/100	13,5	A	
	P1A/120	17	A	
I_{DCL}	$T_{amb} = 45\text{ °C}$; isolated ¹⁾	3	A	
	chassis ²⁾	9,5	A	
	P5A/100	11,5	A	
	P1A/120	14	A	
I_{FSM}	$T_{vj} = 25\text{ °C}$, 10 ms	370	A	
	$T_{vj} = 150\text{ °C}$, 10 ms	320	A	
i^2t	$T_{vj} = 25\text{ °C}$, 8,3...10 ms	680	A ² s	
	$T_{vj} = 150\text{ °C}$, 8,3...10 ms	500	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	
	$T_{vj} = 150\text{ °C}$; $V_{RD} = V_{RRM}$	5	mA	
t_{rr}	$T_{vj} = 25\text{ °C}$	typ. 10	μ s	
f_G		2000	Hz	
R_{thjc}	total	1,9	$^{\circ}\text{C/W}$	
	R_{thch} total	0,15	$^{\circ}\text{C/W}$	
	R_{thja}	isolated ¹⁾	15	$^{\circ}\text{C/W}$
		chassis ²⁾	4,7	$^{\circ}\text{C/W}$
		P5A/100	3,55	$^{\circ}\text{C/W}$
P1A/120	2,75	$^{\circ}\text{C/W}$		
T_{vj}		- 40...+ 150	$^{\circ}\text{C}$	
T_{stg}		- 55...+ 150	$^{\circ}\text{C}$	
V_{isol}	a.c. 50...60 Hz; r.m.s.; 1 s / 1 min	3000 / 2500	V~	
RC	$P_R = 1\text{ W}$	0,1	μ F	
		50	Ω	
M ₁	case to heatsink	SI units	2 \pm 15 %	Nm
		US units	18 \pm 15 %	lb. in.
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

