

Apéndice F

Hoja de datos técnicos SKBB250/220-4

SKB B...-4



Power Bridge Rectifiers

SKB B...-4

Features

- Square plastic case with screw terminals

Typical Applications

- Internal power supplies for electronic equipment
- Electronic control equipment
- DC motors
- Field rectifiers for DC motors
- Battery charger rectifiers
- Recommended snubber network:
RC: 10 nF, 20...50 Ω (P_R = 1 W)

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

V _{RSM} , V _{RRM} V	V _{VRMS} V	I _D = 5 A (T _a = 45 °C) Types	C _{max} μF	R _{min} Ω
400	125	SKB B80/70-4		0,5
800	250	SKB B250/220-4		1
1200	380	SKB B500/445-4		2

Symbol	Conditions	Values	Units
I _D	T _a = 45 °C, isolated ¹⁾	5	A
	T _a = 45 °C, chassis ²⁾	5	A
I _{DCL}	T _a = 45 °C, isolated ¹⁾	4	A
	T _a = 45 °C, chassis ²⁾	4	A
	T _a = °C,		A
I _{FSM}	T _{vj} = 25 °C, 10 ms	180	A
	T _{vj} = 150 °C, 10 ms	150	A
i _{ft}	T _{vj} = 25 °C, 8,3 ... 10 ms	160	A ² s
	T _{vj} = 150 °C, 8,3 ... 10 ms	110	A ² s
V _F	T _{vj} = 25 °C, I _F = 80 A	max. 2,65	V
V _(TO)	T _{vj} = 150 °C	max. 0,8	V
r _T	T _{vj} = 150 °C	max. 24	mΩ
I _{RD}	T _{vj} = 25 °C, V _{RD} = V _{RRM}	100	μA
	T _{vj} = °C, V _{RD} = V _{RRM} ≥ V		μA
I _{RD}	T _{vj} = 150 °C, V _{RD} = V _{RRM}	0,6	mA
	T _{vj} = °C, V _{RD} = V _{RRM} ≥ V		mA
t _{tr}	T _{vj} = 25 °C	10	μs
f _G		2000	Hz
R _{th(j-a)}	isolated ¹⁾	13	K/W K/W
T _{vj}		- 40 ... + 150	°C
T _{stg}		- 55 ... + 150	°C
V _{isol}			V-
M _s	to heatsink	1,5 ± 15 %	Nm
M _t	to terminals	1 ± 15 %	Nm
a			m/s ²
w		60	g
Fu		6	A
Case		G 8	

