

Bridge Rectifier

SK 95 D

Preliminary Data

Features

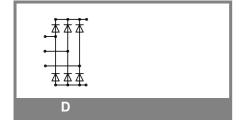
- Compact design
- · One screw mounting
- Heat transfer and insulation through direct copper bonded aluminium oxide ceramic (DCB
- Up to 1600V reverse voltage
- High surge currents
- Glass passived diodes chips
- UL recognized, file no. E 63 532

Typical Applications

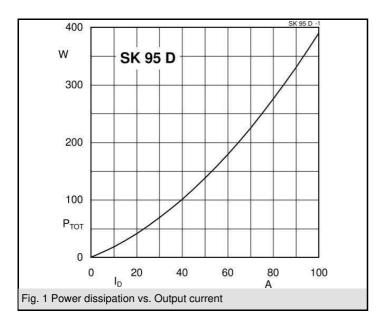
- Input rectifier for power supplies
- Rectifier

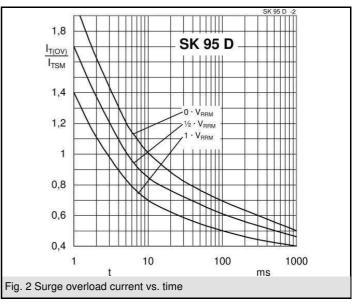
V _{RSM} V	V _{RRM} , V _{DRM} V	$I_D = 95 \text{ A (full conduction)}$ $(T_S = 80 \text{ °C)}$
800	800	SK 95 D 08
1200	1200	SK 95 D 12
1600	1600	SK 95 D 16

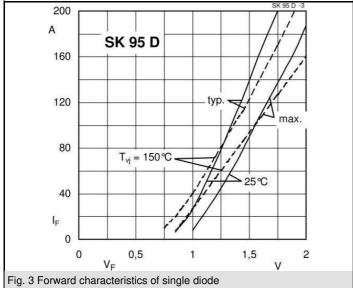
Symbol	Conditions	Values	Units
I _D	T _s = 80 °C	95	Α
I _{FSM}	T _{vi} = 25 °C; 10 ms	700	Α
	T _{vi} = 150 °C; 10 ms	560	Α
i²t	T _{vi} = 25 °C; 8,310 ms	2450	A²s
	T _{vj} = 150 °C; 8,310 ms	1370	A²s
V _F	T _{vi} = 25 °C; I _F = 35 A	max. 1,2	V
V _(TO)	T _{vi} = 150 °C	max. 0,8	V
r _T	T _{vi} = 150 °C	max. 11	mΩ
I_{RD}	T_{vj} = 150 °C; $V_{DD} = V_{DRM}$; $V_{RD} = V_{RRM}$	max. 4	mA
			mA
R _{th(j-s)}	per diode	1,2	K/W
ui(j 3)	per module	0,2	K/W
T _{solder}	terminals, 10s	260	°C
T _{vj}		-40+150	°C
T _{stg}		-40+125	°C
V _{isol}	a. c. 50 Hz; r.m.s.; 1 s / 1 min.	3000 (2500)	V
M _s	mounting torque to heatsink	2	Nm
M _t			
m	approx. weight	19	g
Case	SEMITOP® 2	T 7	

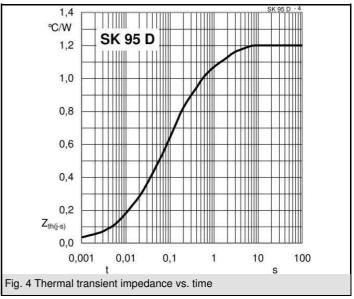


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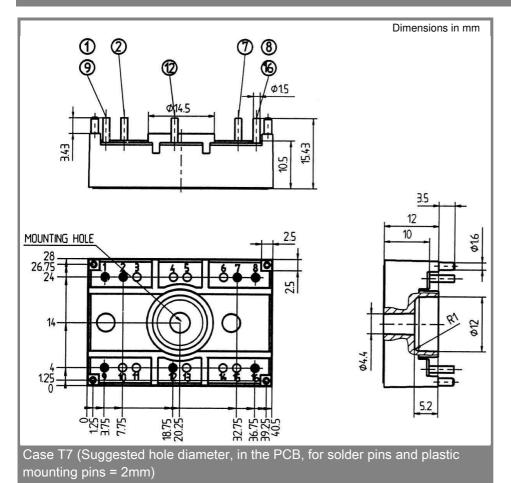


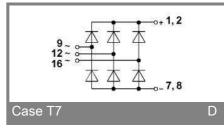






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