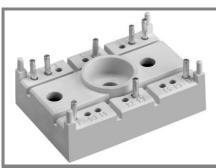
SK 70 D



SEMITOP® 2

Bridge Rectifier

SK 70 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

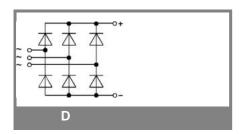
Typical Applications

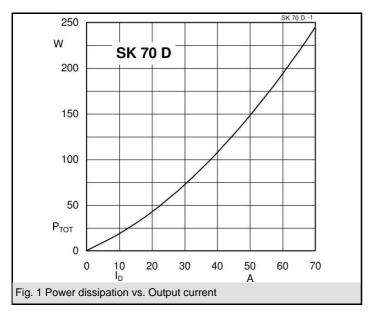
- Input rectifier for power supplies
- Rectifier

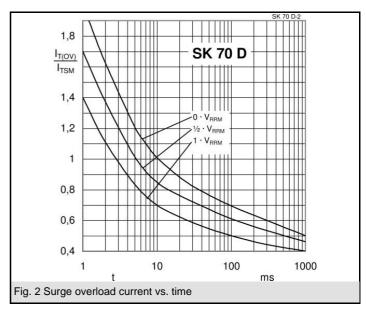
V _{RSM} V	V _{RRM} , V _{DRM}	$I_D = 70 \text{ A (full conduction)}$ $(T_s = 80 \text{ °C)}$
800 1200	800 1200	SK 70 D 08 SK 70 D 12
1600	1200	SK 70 D 12

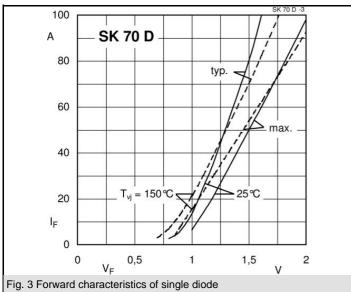
Symbol	Conditions	Values	Units
I _D	T _s = 80 °C	70	А
I _{FSM}	T _{vi} = 25 °C; 10 ms	370	Α
	T _{vi} = 150 °C; 10 ms	270	Α
i²t	T _{vi} = 25 °C; 8,310 ms	685	A²s
	T _{vj} = 150 °C; 8,310 ms	365	A²s
V _F	T _{vi} = 25 °C; I _F = 25 A	max. 1,25	V
V _(TO)	T _{vi} = 150 °C	0,8	V
r _T	T _{vi} = 150 °C	13	mΩ
I_{RD}	T_{vj}^{3} = 150 °C; V_{DD} = V_{DRM} ; V_{RD} = V_{RRM}	max. 4	mA
			mA
R _{th(j-s)}	per diode	1,7	K/W
ung o)	per module	0,28	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}			
a			m/s²
m	approx. weight	19	g
Case	SEMITOP® 2	T 7	

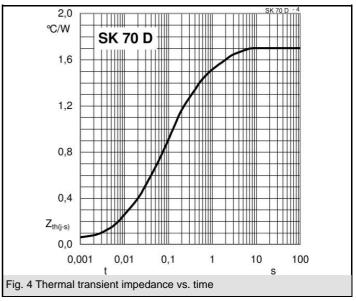
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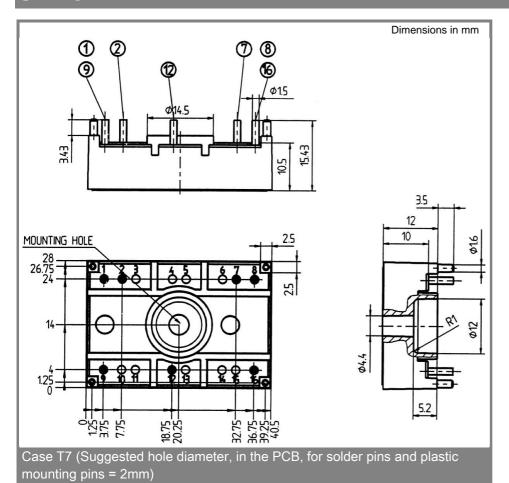


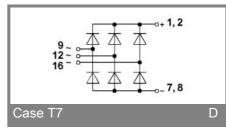




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