V_{RSM} V_{RRM} V	I_D (T_h = 80°C) 68 A	96 A
800	SK 70 B 08	SK 95 D 08
1200	SK 70 B 12	SK 95 D 12
1600	SK 70 B 16	SK 95 D 16

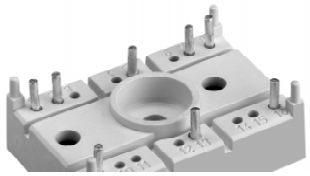
Symbol	Conditions	SK 70 B	SK 95 D	Units
I_D	T_h = 80 °C	68	96	A
I_{FSM}	T_{vj} = 25 °C; 10 ms	–		A
	T_{vj} = 125 °C; 10 ms	750		A
i^2t	T_{vj} = 25 °C; 8,3...10 ms	–		A^2s
	T_{vj} = 125 °C; 8,3...10 ms	–		A^2s
V_F	T_{vj} = 25 °C; (I_T = 35 A); max.	1,1		V
$V_{(T0)}$	T_{vj} = 125 °C	0,8		V
r_T	T_{vj} = 125 °C	11		mΩ
I_{RD}	T_{vj} = 125 °C; V_{RD} = V_{RRM}			mA
R_{thjh}	per diode	1,2	1,2	K/W
	per module	0,3	0,2	K/W
T_{vj}		- 40 ... + 125		°C
T_{st}		- 40 ... + 125		°C
T_{solder}	terminals, 10 s	260		°C
V_{isol}	a.c. 50 Hz; r.m.s. 1 s/1 min	3000 / 2500		V
M_1	case to heatsink SI units	2,0		Nm
	US units	17,6		lb.in.
w		-		g
Case		T 7		

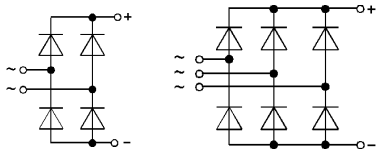
SEMITOP® 2

Bridge Rectifier

SK 70 B
SK 95 D

Preliminary Data





B **D**

Features

- Compact Design
- One screw mounting
- Heat transfer and isolation through direct copper bonded aluminium oxide ceramic (DCB)
- Up to 1600V reverse voltage
- High surge currents
- Glass passivated diode chips

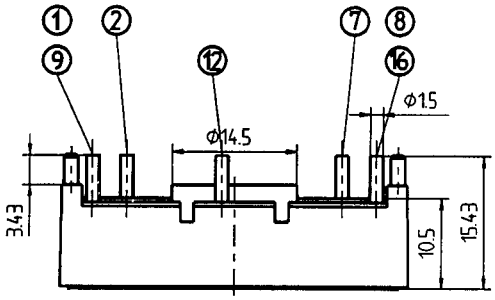
Typical Applications

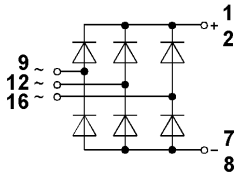
- Input rectifier for power supplies
- Rectifier

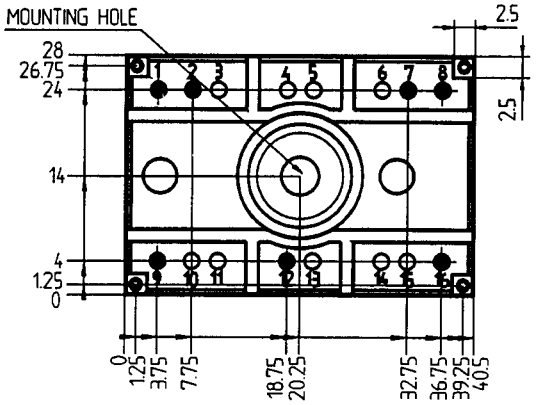
Case → B 17 – 22

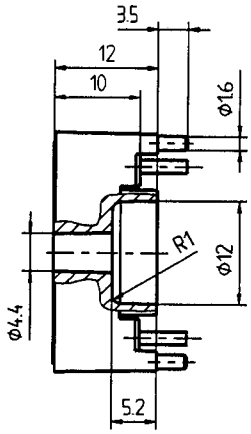
SEMITOP® 2
SK 70 D
SK 95 D

Case T 7



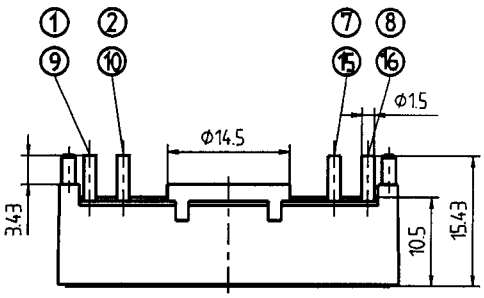


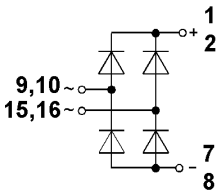


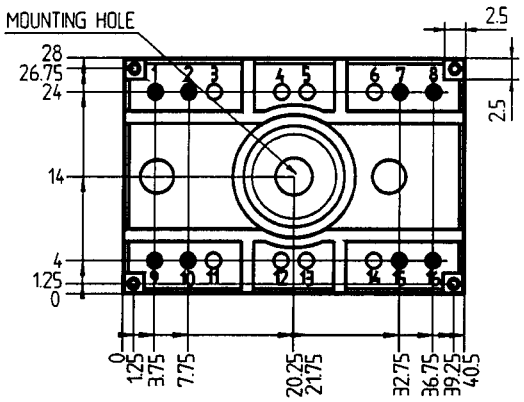


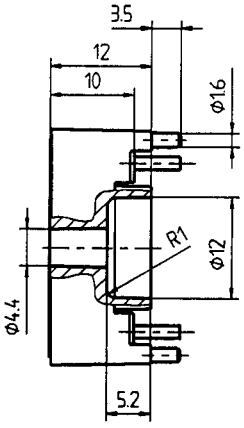
SEMITOP® 2
SK 50 B
SK 75 B

Case T 6









Dimensions in mm

