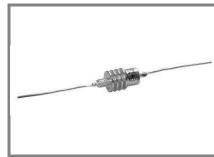
SKN 2,5



V_{RSM}

V

400

 V_{RRM}

V

400

Stud Diode

Rectifier Diode

SKN 2,5

400	400	01112,0/04		
800	800	SKN 2,5/08		
1200	1200	SKN 2,5/12		
1600	1600	SKN 2,5/16		
Symbol	Conditions		Values	Unit
I _{FAV}	sin. 180; T _a = 45 (85) °C		2,5 (1,8)	А
I _{FSM}	T _{vi} = 25 °C; 10 ms		180	A
	T _{vi} = 180 °C; 10 n		150	А
i²t	T _{vi} = 25 °C; 8,3		160	A²s
	T _{vj} = 180 °C; 8,3	10 ms	110	A²s
V _F	T _{vi} = 25 °C; I _F = 1	0 A	max. 1,2	V
V _(TO)	T _{vi} = 180 °C		max. 0,85	V
r _T	T _{vj} = 180 °C		max. 30	mΩ
I _{RD}	T _{vj} = 180 °C; V _{RD}	= V _{RRM}	max. 1,5	mA
Q _{rr}	T _{vj} = 160 °C; - di _F	/dt = 10 A/µs	15	μC
R _{th(j-c)}			2,5	K/W
R _{th(j-a)}			55	K/W
T _{vj}			- 40 + 180	°C
T _{stg}			- 55 + 180	°C
V _{isol}			-	V~
M _s	to heatsink		0,8	Nm
а			5 * 9,81	m/s²
m	approx.		6	g
Case			E 5	

SKN 2,5/04

I_{FRMS} = 5 A (maximum value for continuous operation)

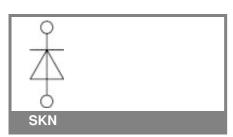
 I_{FAV} = 2,5 A (sin. 180; T_a = 45 °C)

Features

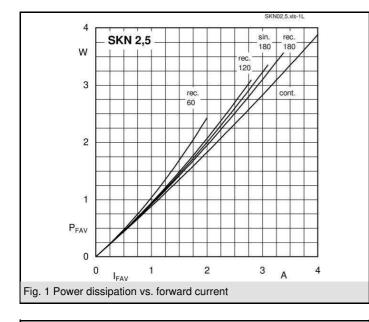
- Reverse voltages up to 1600 V
- Hermetic metal case with glass
 insulator
- Anode side threaded stud ISO M4 (with lead wire in addition)
- SKN: anode to stud

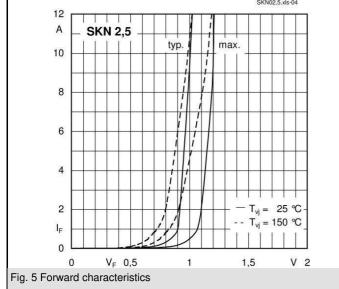
Typical Applications*

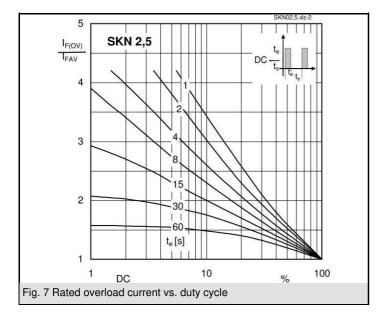
- All-purpose rectifier diodes
- For severe ambient conditions
- Recommended snubber network: RC: 0,02 μ F, 500 Ω (P _R = 1 W) R_P = 270 k Ω (P_R = 2 W)

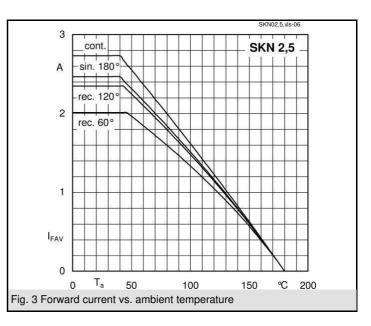


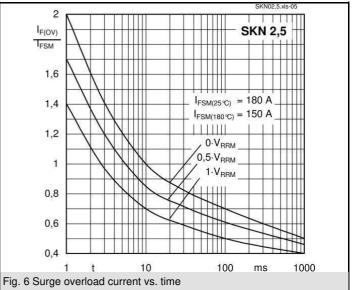
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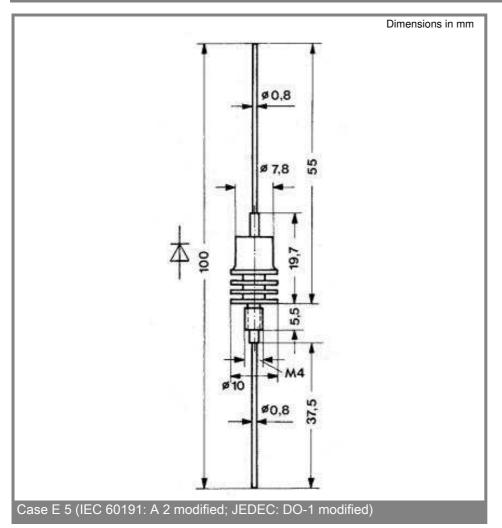








SKN 2,5



* The specifications of our components may not be considered as an assurance of component characteristics. Components have to be tested for the respective application. Adjustments may be necessary. The use of SEMIKRON products in life support appliances and systems is subject to prior specification and written approval by SEMIKRON. We therefore strongly recommend prior consultation of our personal.