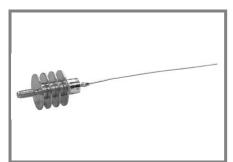
SKN 5



Stud Diode

Rectifier Diode

SKN 5

Features

- Reverse voltages up to 1600 V
- Hermetic metal case with glass insulator
- Anode side threaded stud ISO M4
- SKN: anode to stud
- With integrated cooling fins

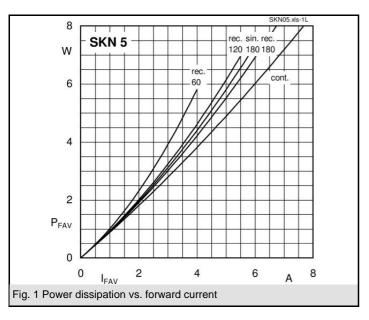
Typical Applications

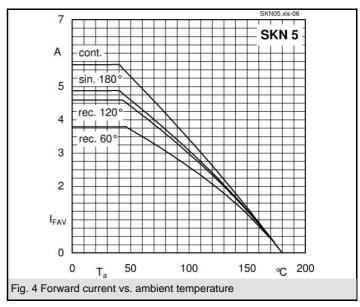
- All-purpose rectifier diodes
- For severe ambient conditions
- Recommended snubber network: RC: 0,02 μ F, 500 Ω (P $_{R}$ = 1 W) R $_{P}$ = 270 k Ω (P $_{R}$ = 2 W)

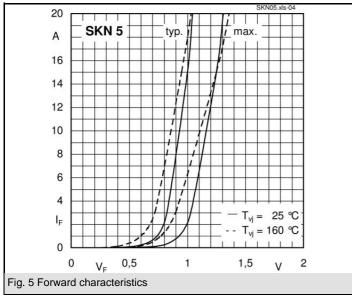
V_{RSM}	V_{RRM}	I _{FRMS} = 10 A (maximum value for continuous operation)		
V	V	I _{FAV} = 5 A (sin. 180; T _a = 45 °C)		
200	200	SKN 5/02		
400	400	SKN 5/04		
800	800	SKN 5/08		
1200	1200	SKN 5/12		
1600	1600	SKN 5/16		

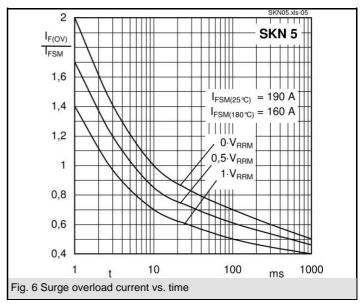
Symbol	Conditions	Values	Units
I _{FAV}	sin. 180; T _a = 45 °C	5	Α
I _{FSM}	T _{vi} = 25 °C; 10 ms	190	Α
	T_{vi}^{yj} = 180 °C; 10 ms	160	Α
i²t	$T_{vj}^{3} = 25 ^{\circ}\text{C}; 8,3 \dots 10 \text{ms}$	180	A²s
	T _{vj} = 180 °C; 8,3 10 ms	130	A²s
V _F	T _{vi} = 25 °C; I _F = 15 A	max. 1,25	V
V _(TO)	T _{vi} = 180 °C	max. 0,85	V
r _T	T _{vi} = 180 °C	max. 25	mΩ
I_{RD}	$T_{vj} = 180 ^{\circ}\text{C}; V_{RD} = V_{RRM}$	max. 2,2	mA
Q_{rr}	$T_{vj} = 160 ^{\circ}\text{C}; - di_{F}/dt = 10 \text{A/}\mu\text{s}$	18	μC
R _{th(j-c)}		1,8	K/W
R _{th(j-a)}		25	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.	20	g
Case		E 6	

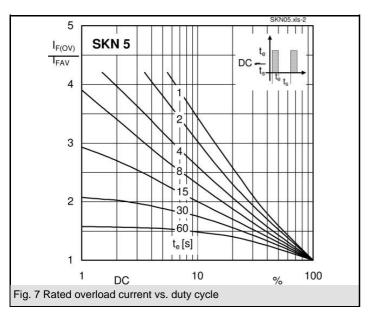


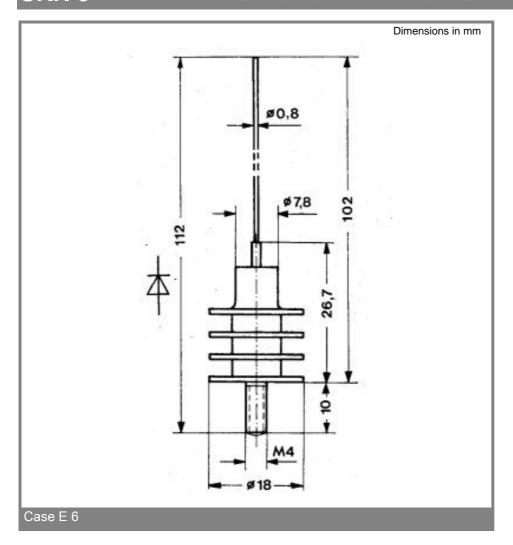












This technical information specifies semiconductor devices but promises no characteristics. No warranty or guarantee expressed or implied is made regarding delivery, performance or suitability.