

## SKNa 26, SKRa 26



Stud Diode

## Avalanche Diode

SKNa 26  
SKRa 26

## Features

- Avalanche type reverse characteristic up to 2000 V
- Hermetic metal case with glass insulator
- Threaded stud ISO M6 (also 10-32 UNF 2A and M5)<sup>1)</sup>
- Cooling via metal plates or heat sinks
- **SKN:** anode to stud
- **SKR:** cathode to stud

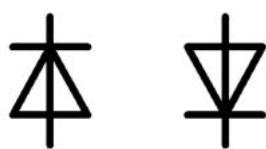
V	$V_{(BR)min}$ $I_{FAV} = 26$ A (sin. 180; $T_c = 69$ °C)	$I_{FRMS} = 40$ A (maximum value for continuous operation)	$C_{max}$ μF	$R_{min}$ Ω
1300	SKNa 26/13			
1700	SKNa 26/17			
2000	SKNa 26/20			
	SKRa 26/13			
	SKRa 26/17			
	SKRa 26/20			

Symbol	Conditions	Values	Units
$I_{FAV}$	sin. 180; $T_c = 86$ (101) °C	22 (18)	A
$I_D$	K 9; $T_a = 45$ °C; B2 / B6 K 3; $T_a = 45$ °C; B2 / B6	17 / 24 30 / 42	A A
$I_{FSM}$	$T_{vj} = 25$ °C; 10 ms $T_{vj} = 150$ °C; 10 ms	375 320	A A
$i^2t$	$T_{vj} = 25$ °C; 8,3...10 ms $T_{vj} = 150$ °C; 8,3...10 ms	700 510	A <sup>2</sup> s A <sup>2</sup> s
$V_F$ $V_{(TO)}$	$T_{vj} = 25$ °C; $I_F = 60$ A $T_{vj} = 150$ °C	max. 1,55 max. 0,85	V V
$r_T$	$T_{vj} = 150$ °C	max. 11	mΩ
$I_R$	$T_{vj} = 25$ °C; $V_R = V_{(BR)min}$	max. 10	μA
$P_{RSM}$	$T_{vj} = 150$ °C; $t_p = 10$ μs	6	kW
$R_{th(j-c)}$ $R_{th(c-s)}$		2 1	K/W K/W
$T_{vj}$		-40...+150	°C
$T_{stg}$		-55...+180	°C
$V_{isol}$ $M_s$		- 2	V~ Nm
$a$	approx.	5 * 9,81	m/s <sup>2</sup>
$m$		7	g
Case		E 8	

## Typical Applications\*

- DC power supplies for magnets or solenoids (brakes, valves, etc.)
- Field coil supply for DC motors
- Series connections for high voltage applications (dust precipitators)

1) M6x1 is standard; "UNF" should be added in description for 10-32 UNF 2A thread, or M5 should be added in description for M5x0,8 thread.



SKN

SKR

# SKNa 26, SKRa 26

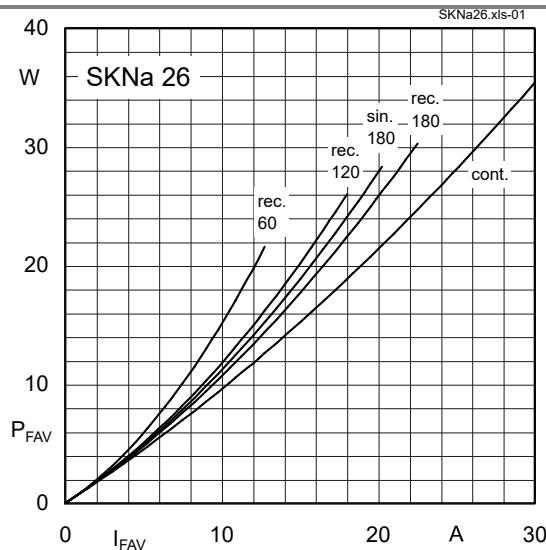


Fig. 1L Power dissipation vs. forward current

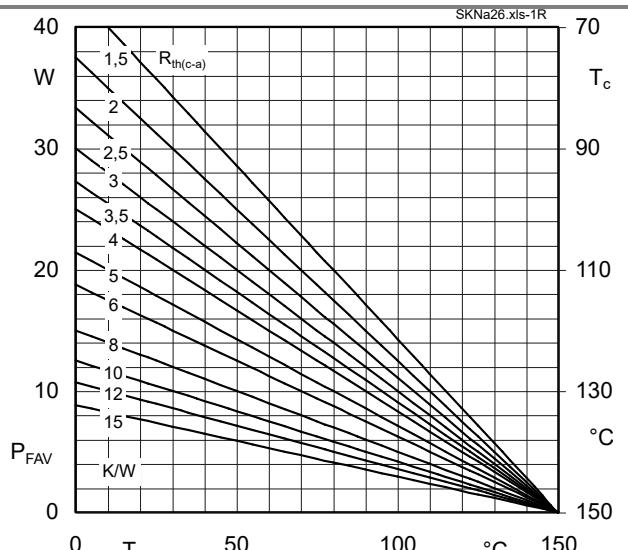


Fig. 1R Power dissipation vs. ambient temperature

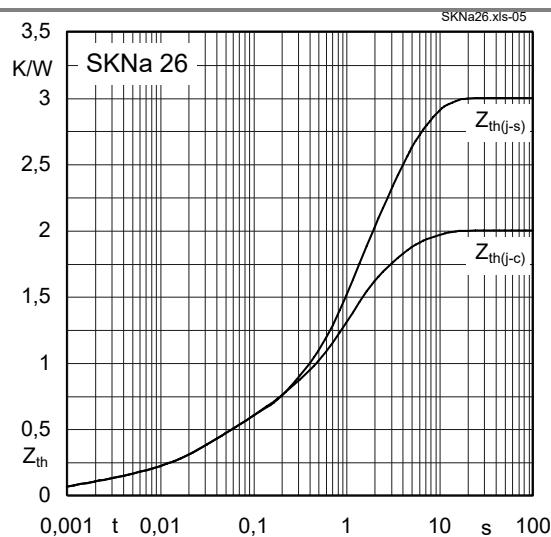


Fig. 4 Transient thermal impedance vs. time

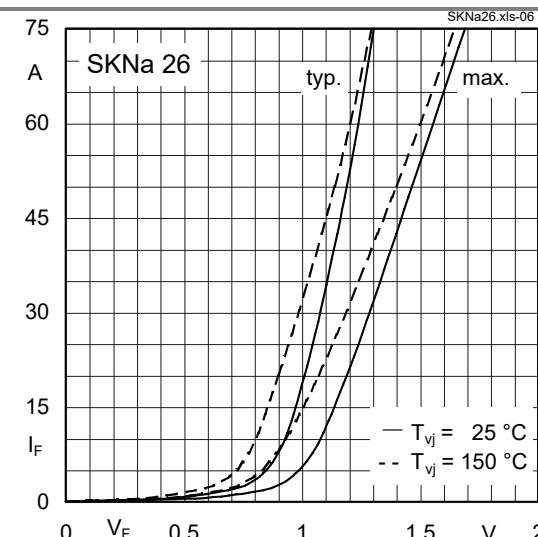


Fig. 5 Forward characteristics

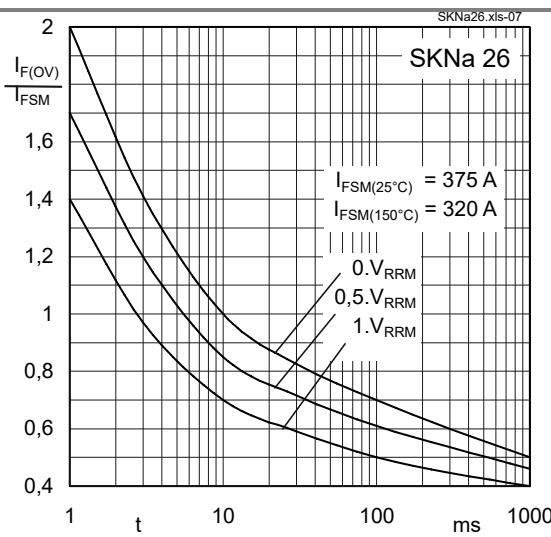


Fig. 6 Rated surge overload current vs. time

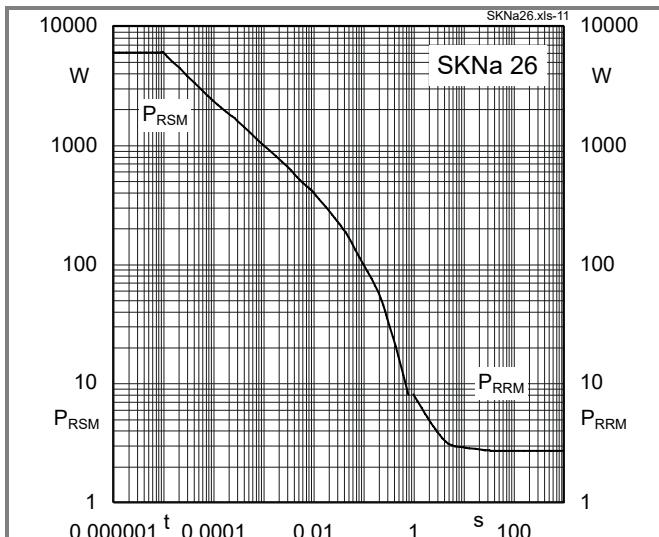
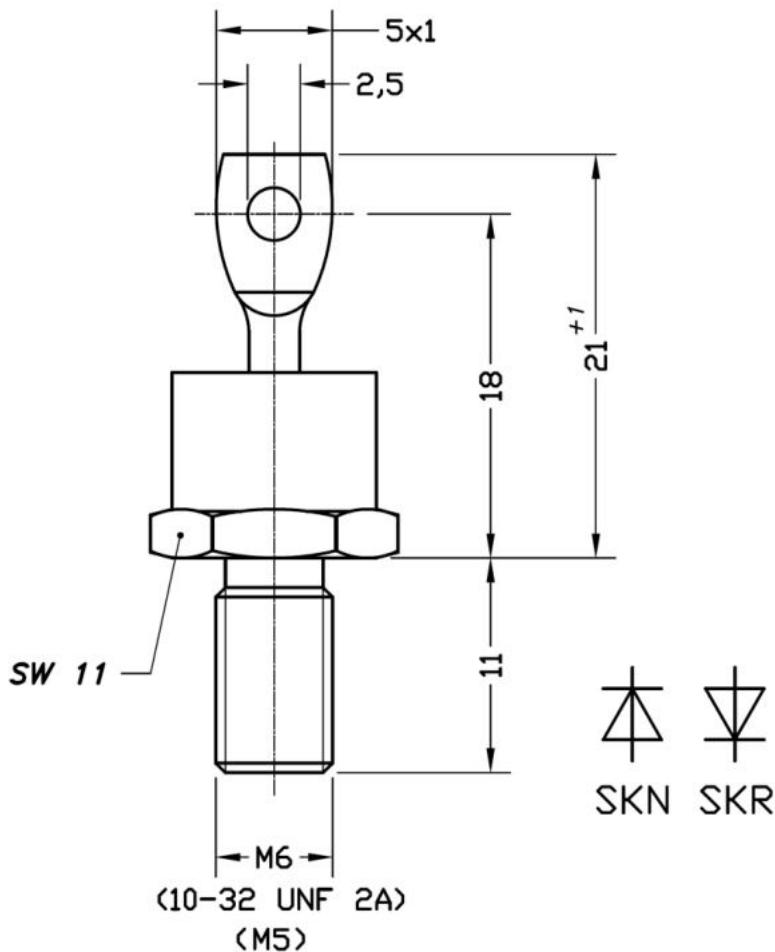


Fig. 9 Reverse power dissipation vs. time

Dimensions in mm



Case E 8 (IEC 60191: A 4 M modified, A 3 U; JEDEC: DO-203 AA)

**\*IMPORTANT INFORMATION AND WARNINGS**

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