SKNa 26, SKRa 26

Stud Diode

$V_{(BR)min}$ V	I_{FRMS} = 40 A (maximum value for continuous operation) I_{FAV} = 26 A (sin. 180; T_c = 69 °C)		C_{max} µF	R_{min} Ω
1300	SKNa 26/13	SKRa 26/13		
1700	SKNa 26/17	SKRa 26/17		
1800	SKNa 26/18	SKRa 26/18		
2000	SKNa 26/20	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	17 / 24	A
	K 3; T_a = 45 °C; B2 / B6	30 / 42	A
I_{FSM}	T_{vj} = 25 °C; 10 ms	375	A
	T_{vj} = 150 °C; 10 ms	320	A
i^2t	T_{vj} = 25 °C; 8,3...10 ms	700	A^2s
	T_{vj} = 150 °C; 8,3...10 ms	510	A^2s
V_F	T_{vj} = 25 °C; I_F = 60 A	max. 1,55	V
$V_{(TO)}$	T_{vj} = 150 °C	max. 0,85	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
$R_{th(j-c)}$		2	K/W
$R_{th(c-s)}$		1	K/W
T_{vj}		-40...+150	°C
T_{stg}		-55...+180	°C
V_{isol}		-	V~
M_s	M6	2	Nm
	M6 (lubricated)[2)]	1,5	Nm
	M5 or or 10-32 UNF 2A	1,5	Nm
	M5 or or 10-32 UNF 2A (lubricated)[2)]	1,1	Nm
a		5 * 9,81	m/s^2
m	approx.	7	g
Case		E 8	

Avalanche Diode

SKNa 26
SKRa 26

Features

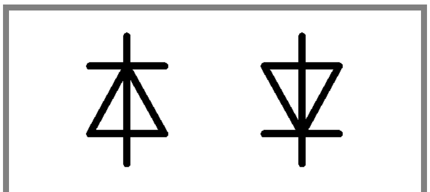
- Avalanche type reverse characteristic up to 2000 V
- Hermetic metal case with glass insulator
- Threaded stud ISO M6 (also 10-32 UNF 2A and M5)[1)]
- Cooling via metal plates or heat sinks
- **SKN:** anode to stud
- **SKR:** cathode to stud

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.

2) Mounting with grease-like thermal compound or joint contact compound



SKN SKR

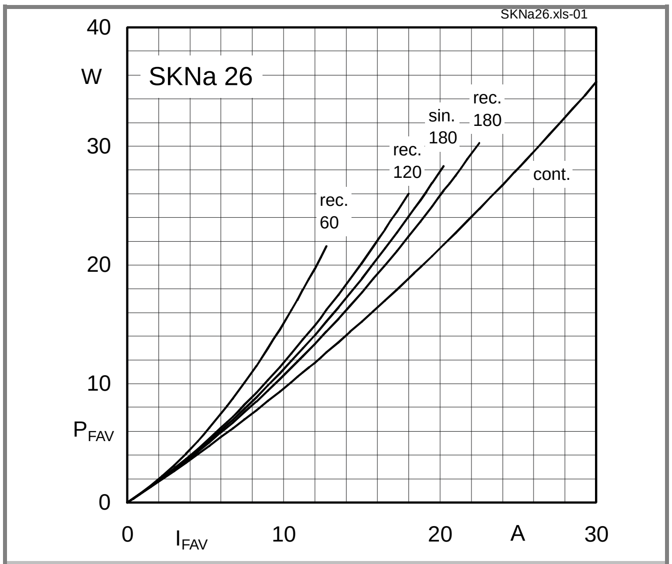


Fig. 1L Power dissipation vs. forward current

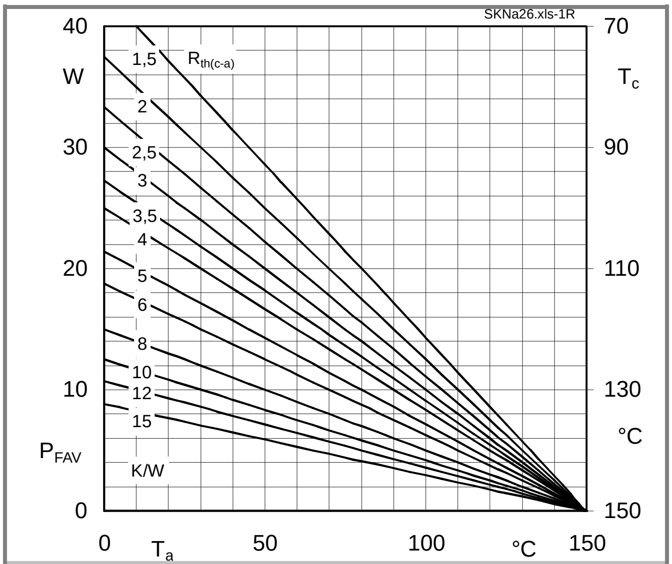


Fig. 1R Power dissipation vs. ambient temperature

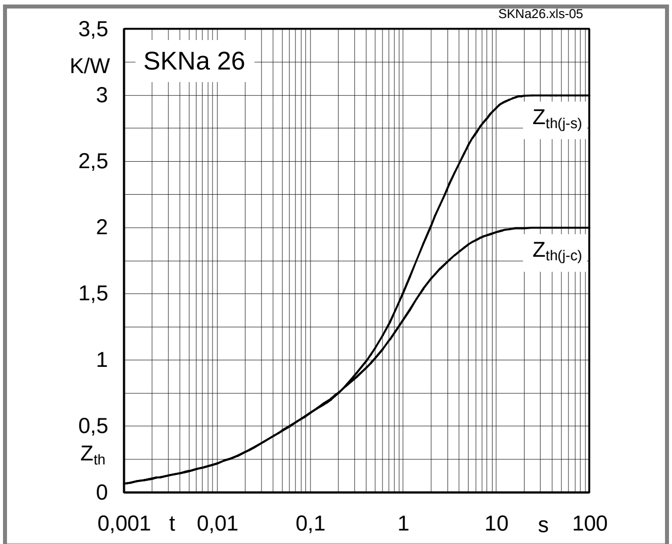


Fig. 4 Transient thermal impedance vs. time

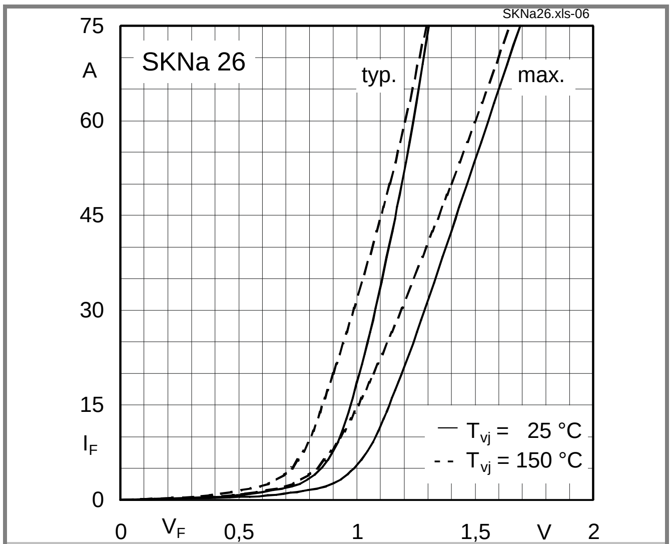


Fig. 5 Forward characteristics

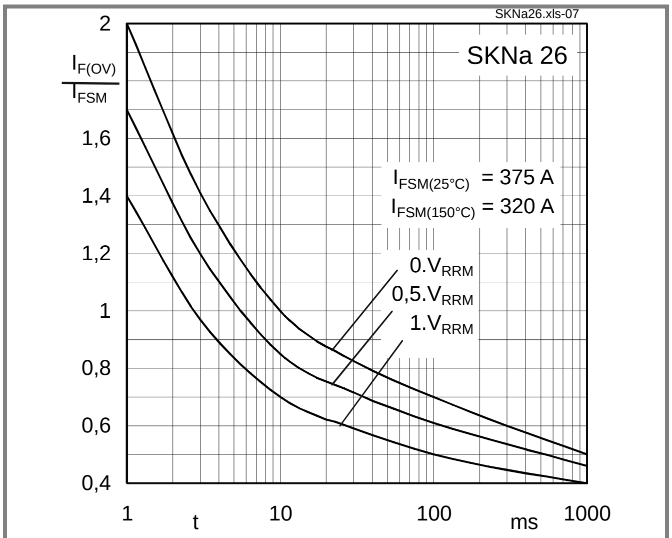


Fig. 6 Rated surge overload current vs. time

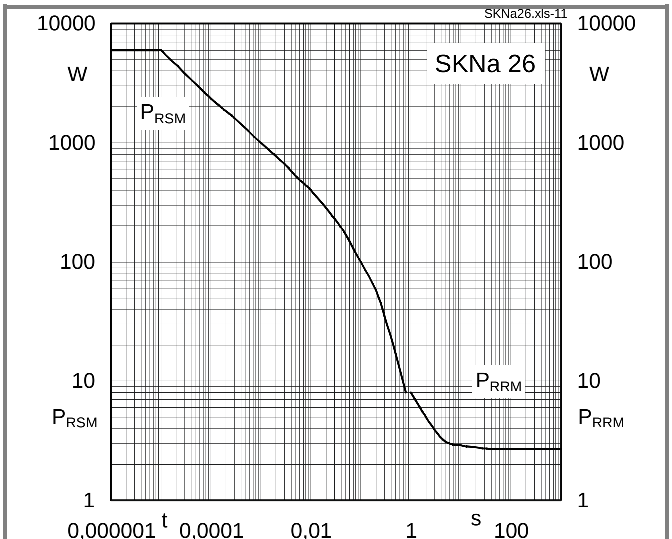
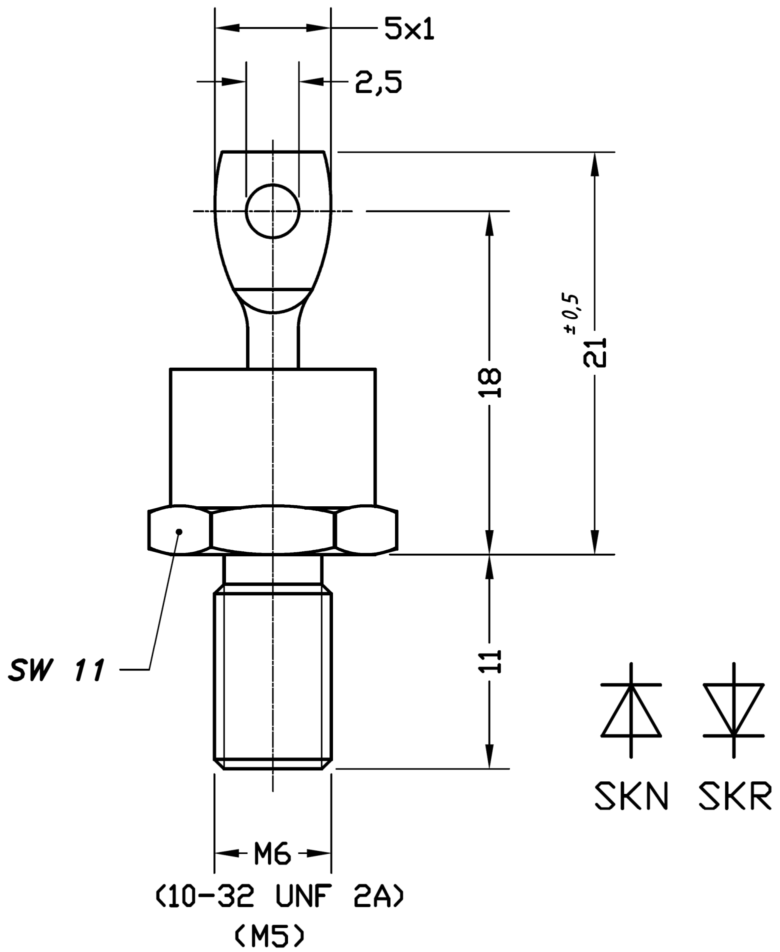


Fig. 9 Reverse power dissipation vs. time

Dimensions in mm



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