

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)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.

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

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

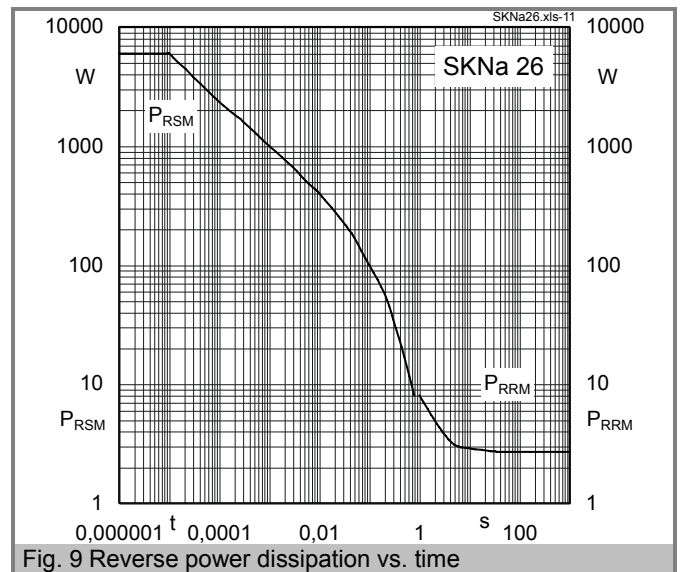
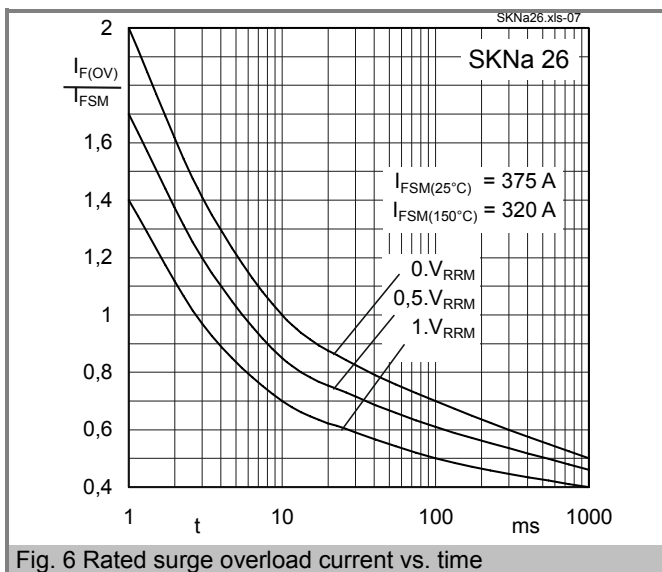
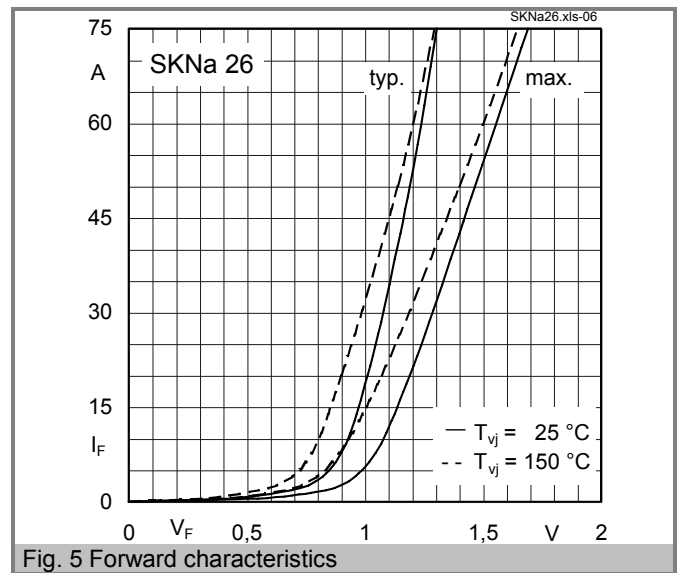
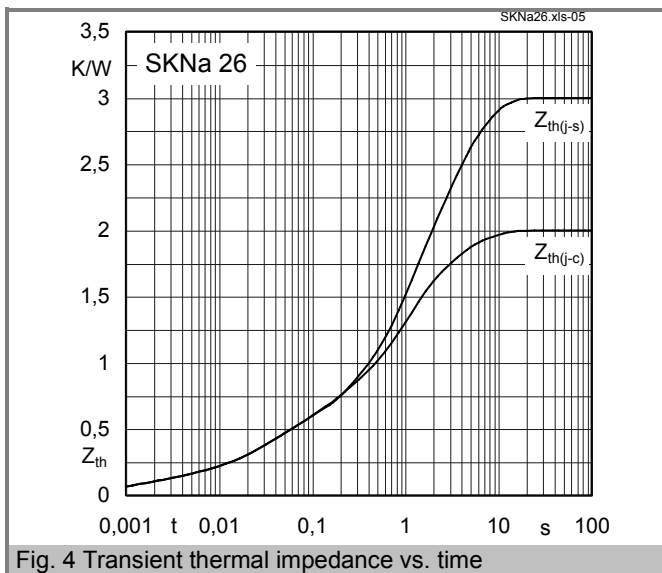
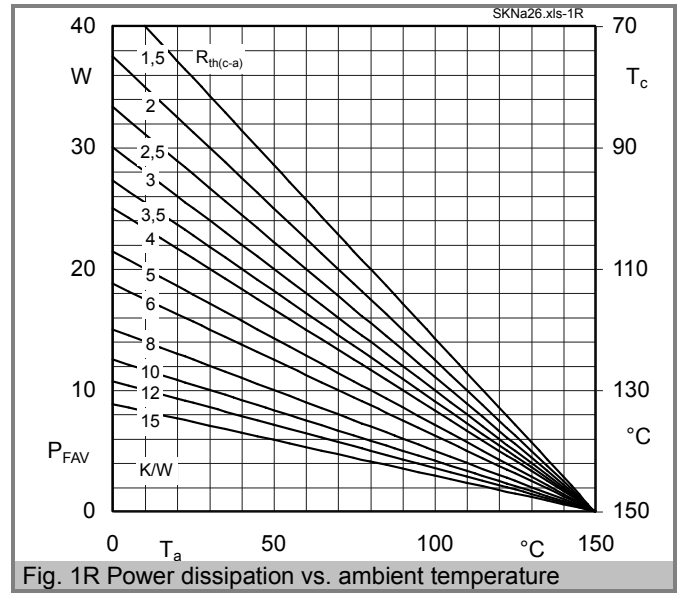
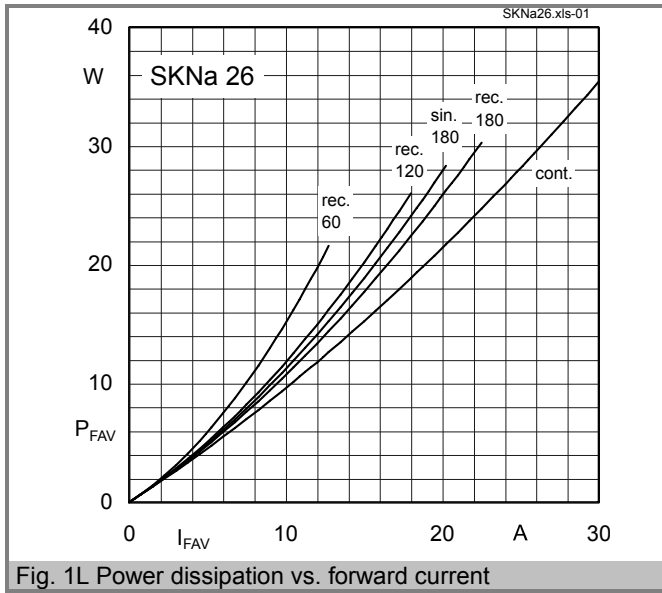


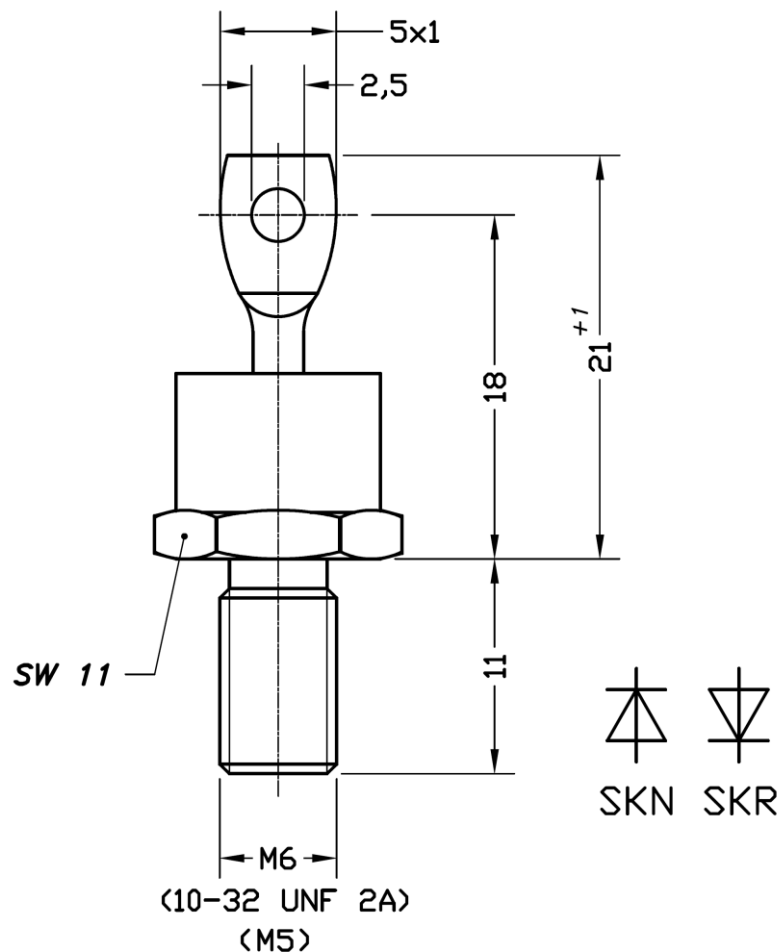
SKN



SKR

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

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