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 10-21 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} V	$I_{FRMS} = 40 \text{ A}$ (maximum value for continuous operation) $I_{FAV} = 26 \text{ A}$ (sin. 180; $T_c = 69 \text{ °C}$)		C _{max} µF	R _{min} Ω
1300 1700 2000	SKNa 26/13 SKNa 26/17 SKNa 26/20	SKRa 26/13 SKRa 26/17 SKRa 26/20		

Symbol	Conditions	Values	Units
IFAV	sin. 180; T _C = 86 (101) °C	22 (18)	А
ID	K 9; T _a = 45 °C; B2 / B6 K 3; T _a = 45 °C; B2 / B6	17 / 24 30 / 42	A A
I _{FSM} i ² t	$\begin{array}{l} T_{vj} = 25 \ ^{\circ}\text{C}; \ 10 \ \text{ms} \\ T_{vj} = 150 \ ^{\circ}\text{C}; \ 10 \ \text{ms} \\ T_{vj} = 25 \ ^{\circ}\text{C}; \ 8,310 \ \text{ms} \\ T_{vj} = 150 \ ^{\circ}\text{C}; \ 8,310 \ \text{ms} \end{array}$	375 320 700 510	A A A ² s A ² s
Vf V _(TO) I _T P _{RSM}	$ \begin{array}{l} T_{vj} = 25 \ ^{\circ}\text{C}; \ I_{\text{F}} = 60 \ \text{A} \\ T_{vj} = 150 \ ^{\circ}\text{C} \\ T_{vj} = 150 \ ^{\circ}\text{C} \\ T_{vj} = 25 \ ^{\circ}\text{C}; \ V_{\text{R}} = V_{(\text{BR})\text{min}} \\ T_{vj} = 150 \ ^{\circ}\text{C}; \ t_{\text{p}} = 10 \ \mu\text{s} \end{array} $	max. 1,55 max. 0,85 max. 11 max. 10 6	V V mΩ μA kW
R _{th(j-c)} R _{th(c-s)} T _{vj} T _{stg}		2 1 -40+150 -55+180	K/W K/W ℃ ℃
V _{isol} Ms a m	approx.	- 2 5 * 9,81 7	V~ Nm m/s ² g
Case		E 8	

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1

0,000001 ^t 0,0001

^s 100

1

1







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0,01

Fig. 9 Reverse power dissipation vs. time



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