# SKNa 86, SKRa 86



V <sub>RSM</sub>	$V_{(BR)min} \ V$	I <sub>FRMS</sub> = 185 A (maximum value for continuous operation) I <sub>FAV</sub> = 85 A (sin. 180; T <sub>c</sub> = 130 °C)		
1400	1400	SKNa 86/14	SKRa 86/14	
1800	1800	SKNa 86/18	SKRa 86/18	
2000	2000	SKNa 86/20	SKRa 86/20	

# Stud Diode

## **Avalanche Diodes**

SKNa 86 SKRa 86

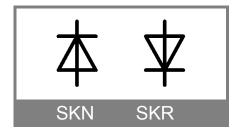
### **Features**

- Avalanche type reverse characteristic of 2000 V
- Hermetic metal cases with glass insulator
- Threaded studs ISO M8 or 1/4"-28 UNF-2A<sup>2)</sup>
- SKN: anode to studSKR: cathode to stud

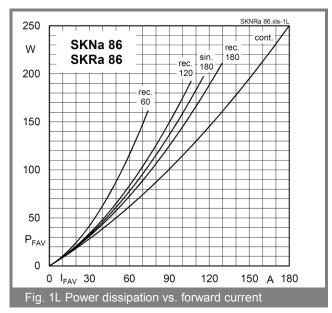
### **Typical Applications**

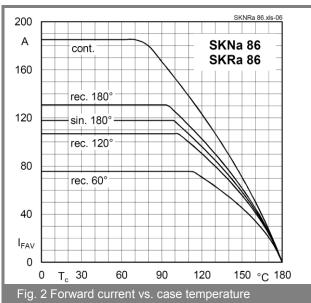
- DC supply for magnets or solenoids (brakes, valves, etc.)
- Field coil supply for DC motors
- Series connections for high voltage applications like dust precipitators
- 1) Mounting with grease-like thermal compound or joint contact compound
- 2) M8x1,25 is standard; "UNF" should be added in description for 1/4"-28 UNF 2A.

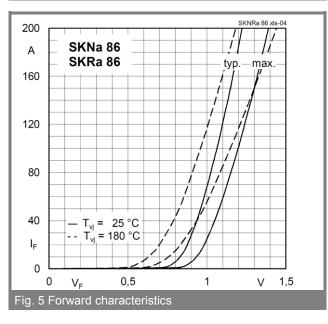
Symbol	Condition	Values	Units
IFAV	sin. 180 ; T <sub>C</sub> = 100 °C	115	Α
IFSM i <sup>2</sup> t	$T_{vj}$ = 25° C; 10 ms $T_{vj}$ = 180° C; 10 ms $T_{vj}$ = 25° C; 8,310 ms $T_{vj}$ = 180° C; 8,310 ms	1500 1275 11250 8125	A A A <sup>2</sup> s A <sup>2</sup> s
V <sub>F</sub> V <sub>(TO)</sub> r <sub>T</sub> I <sub>R</sub> P <sub>RSM</sub>	$T_{vj} = 25^{\circ} \text{ C}, I_F = 150 \text{ A}$ $T_{vj} = 180^{\circ} \text{ C}$ $T_{vj} = 180^{\circ} \text{ C}$ $T_{vj} = 180^{\circ} \text{ C}$ ; $V_R = V_{(BR)min}$ $T_{vj} = 180^{\circ} \text{ C}$ , $t_P = 10 \mu\text{s}$	max. 1,3 0,85 3 10 20	V V mΩ mA kW
$ \begin{array}{c} R_{th(j\text{-}c)} \\ R_{th(c\text{-}s)} \\ T_{vj} \\ T_{stg} \end{array} $		0,4 0,2 -40+180 -40+180	K/W K/W °C °C
V <sub>isol</sub> M <sub>s</sub>	M8 Stud  1/4"-28 UNF 2A  M8 Stud (lubricated)  1/4"-28 UNF 2A (lubricated)  approx.	- 4 2,5 3 2 5 * 9,81 20	V~ Nm Nm Nm Nm m/s²
Case		E 10	

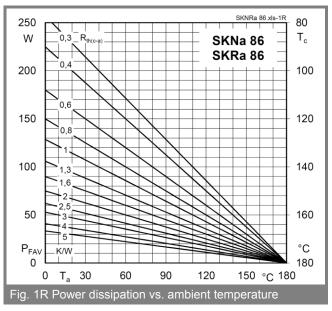


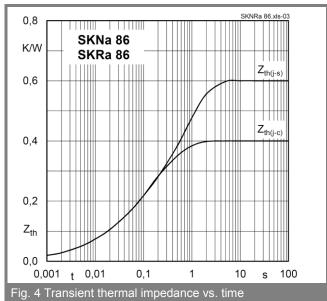
# SKNa 86, SKRa 86

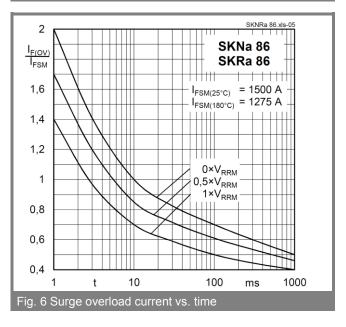




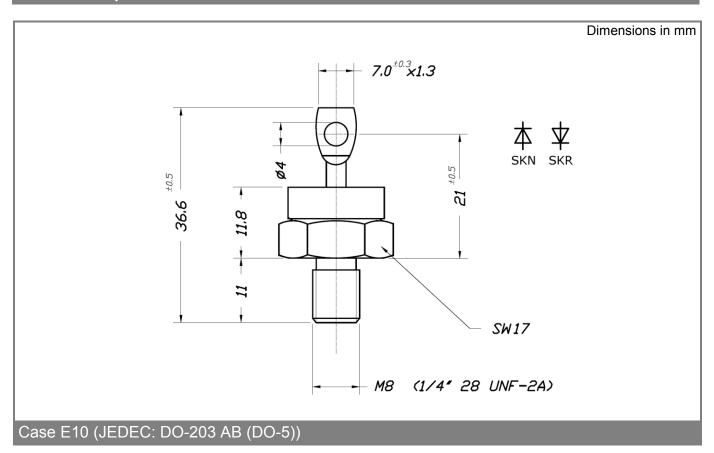








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