SKNa 46, SKRa 46



V _(BR) MIN	I_{FRMS} = 80 A (maximum value for continuous operation) I_{FAV} = 45 A (sin. 180; T_c = 125 °C)		
1400	SKNa 46/14	SKRa 46/14	
1800	SKNa 46/18	SKRa 46/18	
2000	SKNa 46/20	SKRa 46/20	

Stud Diode

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AVA	12116			
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SKNa 46 SKRa 46

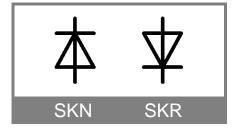
Features

- Avalanche type reverse characteristic up to 2000 V
- Hermetic metal case with glass insulator
- Cooling via heatsinks
- Threaded stud ISO M8 or 1/4 - 28 UNF 2A²⁾
- SKN: anode to studSKR: cathode to stud

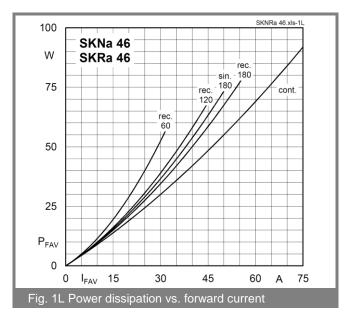
Typical Applications

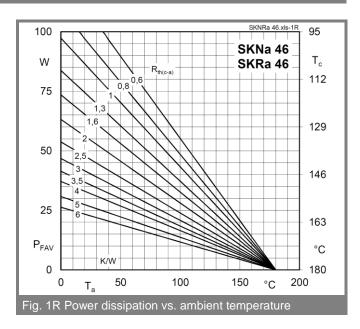
- DC supply for magnets or solenoids (brakes, valves, etc.)
- Field coil supply for DC motors
- Series connections for high voltage applications like dust precipitators
- 1) Mounting with grease-like thermal compound or joint contact compound
- 2) M8x1,25 is standard; "UNF" should be added in description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

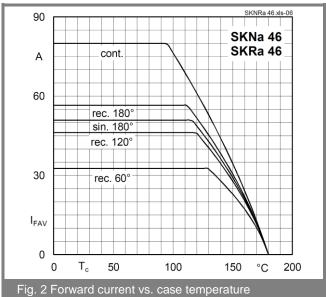
Symbol	Condition	Values	Units
IFAV ID	sin. 180 ; T _C = 118 °C K 5; T _a = 45°C; B2 / B6 K1,1; T _a = 45°C; B2 / B6	50 40 / 57 86 / 120	A A A
IFSM i ² t	$T_{vj} = 25^{\circ} \text{ C}$; 10 ms $T_{vj} = 180^{\circ} \text{ C}$; 10 ms $T_{vj} = 25^{\circ} \text{ C}$; 8,310 ms $T_{vj} = 180^{\circ} \text{ C}$; 8,310 ms	700 600 2500 1800	A A A ² s A ² s
VF V(TO) rT IR PRSM	$\begin{split} T_{vj} &= 25^{o} \text{ C, I}_{F} = 150 \text{ A} \\ T_{vj} &= 180^{o} \text{ C} \\ T_{vj} &= 180^{o} \text{ C} \\ T_{vj} &= 180^{o} \text{ C} \text{ ; } V_{R} = V_{(BR)min} \\ T_{vj} &= 180^{o} \text{ C, t}_{p} = 10 \mu\text{s} \end{split}$	max. 1,6 max. 0,85 max. 5 max. 20 12	V V mΩ mA kW
		0,85 0,25 -40+180 -55+180	K/W K/W °C °C
V _{isol} M _s	M8 Stud 1/4 - 28 UNF 2A M8 Stud (lubricated) ¹⁾ 1/4 - 28 UNF 2A (lubricated) ¹⁾ approx.	- 4 2,5 3 2 5 * 9,81 18	V~ Nm Nm Nm Nm m/s² g
Case		E 11	

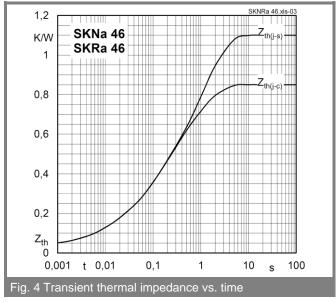


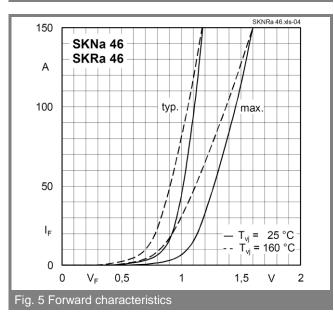
SKNa 46, SKRa 46

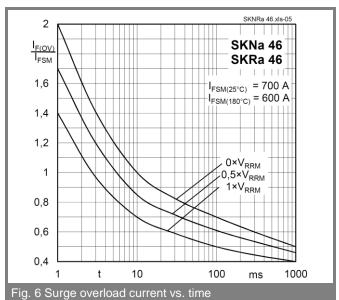


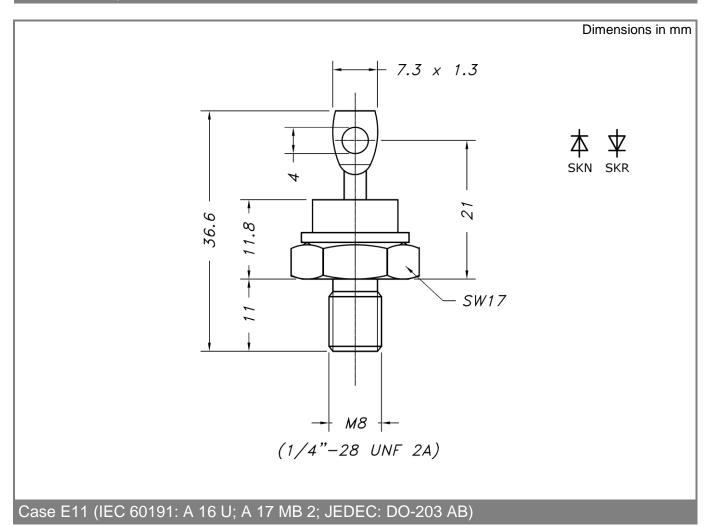












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