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

Avalanche Diodes

SKNa 46 SKRa 46

Features

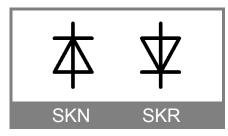
- Avalanche type reverse characteristic up to 2000 V
- Hermetic metal case with glass insulator
- Cooling via heatsinks
- Threaded stud ISO M8 or 1⁄4 - 28 UNF 2A²⁾
- SKN: anode to stud
- SKR: cathode to stud

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

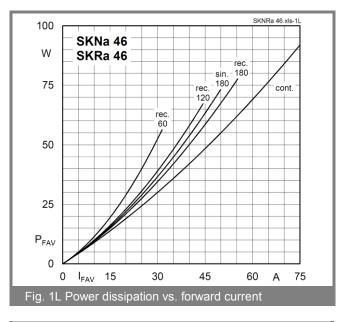
2) M8x1,25 is standard; "UNF" should be added in description for $1\!\!/_4$ - 28 UNF 2A thread

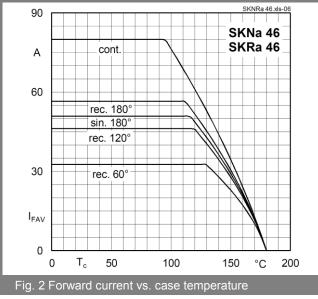


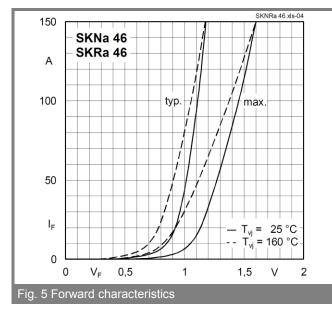
Symbol	Condition	Values	Units
Ifav Id	sin. 180 ; T _c = 118 °C K 5; T _a = 45°C; B2 / B6 K1,1; T _a = 45°C; B2 / B6	50 40 / 57 86 / 120	A A A
lғsм i²t	$T_{vj} = 25^{\circ} C ; 10 ms$ $T_{vj} = 180^{\circ} C ; 10 ms$ $T_{vj} = 25^{\circ} C ; 8,310 ms$ $T_{vj} = 180^{\circ} C ; 8,310 ms$	700 600 2500 1800	A A A ² s A ² s
Vf V _(TO) ľt Prsm	$\begin{array}{l} T_{vj} = 25^{\circ} \ C, \ I_{F} = 150 \ A \\ T_{vj} = 180^{\circ} \ C \\ T_{vj} = 180^{\circ} \ C \\ T_{vj} = 180^{\circ} \ C \ ; \ V_{R} = V_{(BR)min} \\ T_{vj} = 180^{\circ} \ C, \ t_{p} = 10 \ \mu s \end{array}$	max. 1,6 max. 0,85 max. 5 max. 20 12	V V mΩ mA kW
R _{th(j-c)} R _{th(c-s)} T _{vj} T _{stg}		0,85 0,25 -40+180 -55+180	K/W K/W °C °C
V _{isol} Ms a m	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 m/s ² g
Case		E 11	

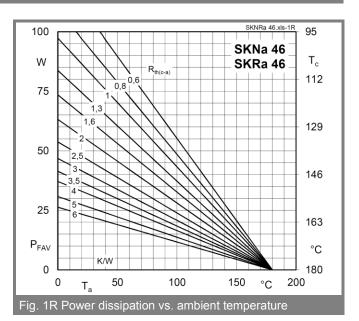
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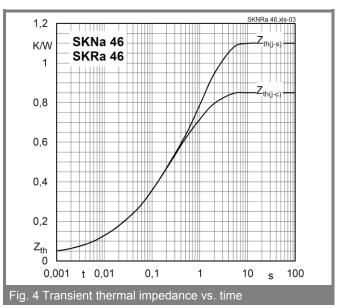
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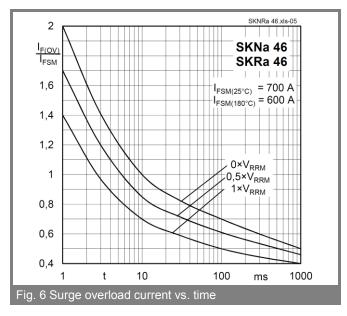






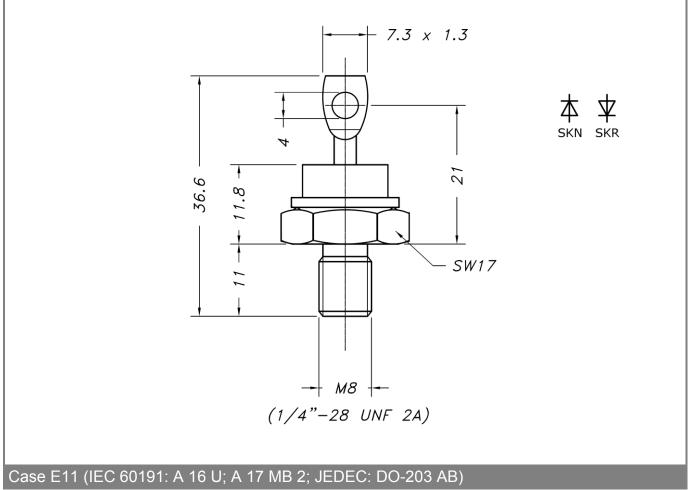






SKNa 46, SKRa 46

Dimensions in mm



*IMPORTANT INFORMATION AND WARNINGS

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