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

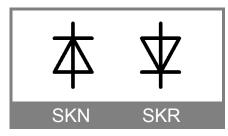
- Avalanche type reverse characteristic up to 2000 V
- Hermetic metal case with glass insulator
- Cooling via heatsinks
- Threaded stud ISO M8 or 1⁄4 - 28 UNF 2A²)
- SKN: anode to stud
- SKR: cathode to stud

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

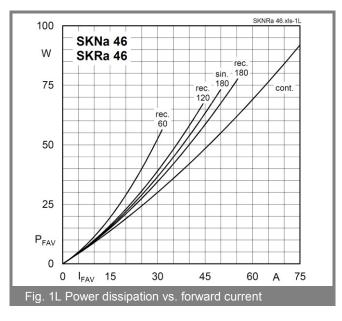
2) M8x1,25 is standard; "UNF" should be added in description for $1\!\!/_4$ - 28 UNF 2A thread

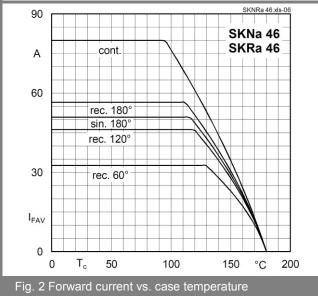


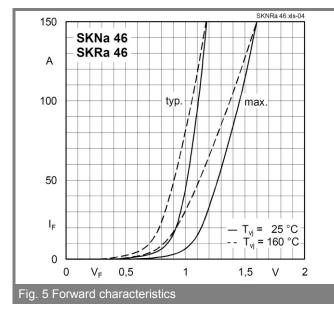
| Symbol | Condition | Values | Units |
|---|---|--|--|
| Ifav Id | sin. 180 ; T _c = 118 °C K 5; T _a = 45°C; B2 / B6 K1,1; T _a = 45°C; B2 / B6 | 50 40 / 57 86 / 120 | A A A |
| lғsм i²t | $T_{vj} = 25^{\circ} C ; 10 ms$ $T_{vj} = 180^{\circ} C ; 10 ms$ $T_{vj} = 25^{\circ} C ; 8,310 ms$ $T_{vj} = 180^{\circ} C ; 8,310 ms$ | 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 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 | |

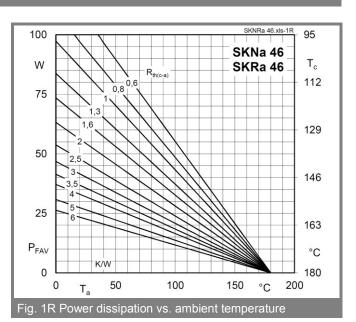
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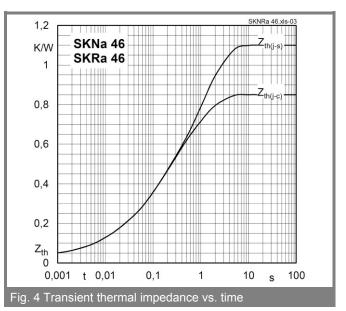
SKNa 46, SKRa 46

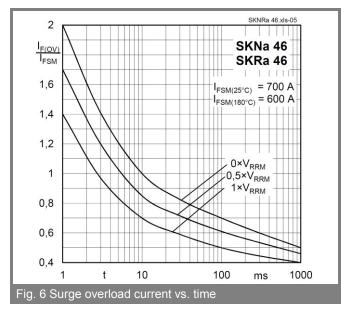








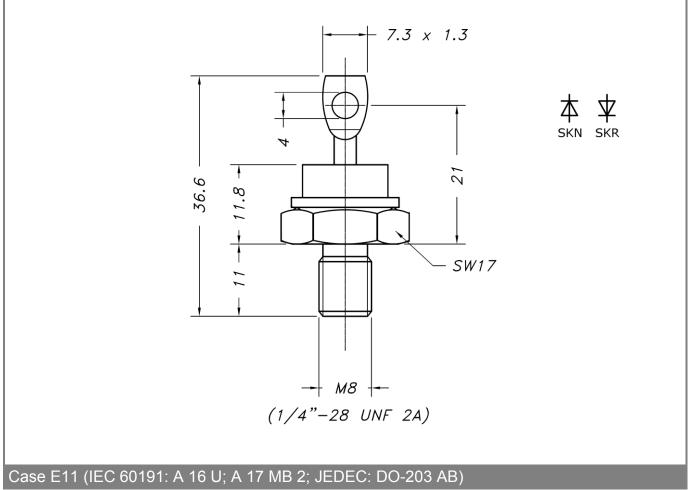




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SKNa 46, SKRa 46

Dimensions in mm



*IMPORTANT INFORMATION AND WARNINGS

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