SKN 71, SKR 71



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Stud		v

V _{RSM} V	V _{RRM} V	I _{FRMS} = 150 A (maximum value for continuous operation) I _{FAV} = 72 A (sin. 180; T _c = 125 °C)		
200	200	SKN 71/02	SKR 71/02	
400	400	SKN 71/04	SKR 71/04	
800	800	SKN 71/08	SKR 71/08	
1200	1200	SKN 71/12	SKR 71/12	
1400	1400	SKN 71/14	SKR 71/14	
1600	1600	SKN 71/16	SKR 71/16	

Rectifier Diode

SKN 71 SKR 71

Features

- Reverse voltages up to 1600 V
- Hermetic metal case with glass insulator
- Cooling via heatsinks
- Threaded stud ISO M8 or 1/4 - 28 UNF 2A
- SKN: anode to studSKR: cathode to stud

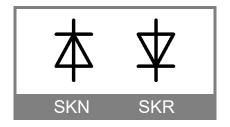
Typical Applications *

- All purpose high power rectifier diodes
- Non-controllable and halfcontrollable rectifiers
- Free-wheeling diodes
- Recommended snubber network:

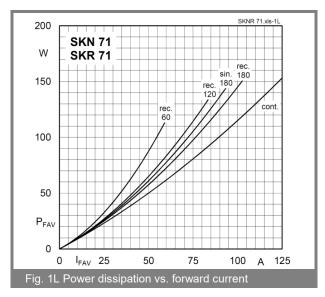
 R_C : 0,1 μF , 100 Ω (P_R = 2W), R_p : 80 $k\Omega$ (P_R = 6 W)

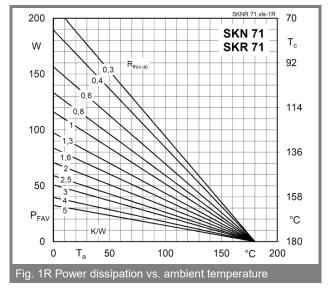
1) Mounting with grease-like thermal compound or joint contact compound

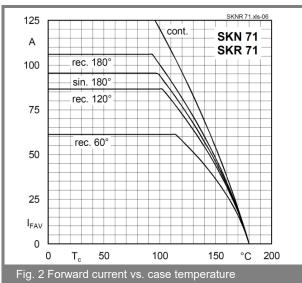
Symbol	Condition	Values	Units
I _{FAV} I _D	sin. 180 ; T _C = 100 °C K 1,1; T _a = 45°C; B2 / B6 K 1,1F; T _a = 35°C; B2 / B6	94 112 / 159 174 / 246	A A A
I _{FSM}	T_{vi} = 25° C ; 10 ms T_{vi} = 180° C ; 10 ms T_{vj} = 25° C ; 8,310 ms T_{vj} = 180° C ; 8,310 ms	1150 1000 6600 5000	A A^2s A^2s
$V_F \\ V_{(TO)} \\ r_T \\ I_{RD} \\ Q_{rr}$	T_{vi} = 25° C, I_F = 200 A T_{vi} = 180° C T_{vj} = 180° C T_{vj} = 180° C; V_{RD} = V_{RRM} T_{vj} = 160°C, $-di_F/dt$ = 10 A/ μ s	max. 1,5 max. 0,85 max. 3 max. 10 70	V V mΩ mA µC
$\begin{array}{c} R_{th(j\text{-c})} \\ R_{th(c\text{-s})} \\ T_{vi} \\ T_{stg} \end{array}$		0,55 0,2 -40+180 -55+180	°C °C KW KW
V _{isol} M _s a m	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 18	V~ Nm Nm Nm Nm m/s²
Case		E 11	

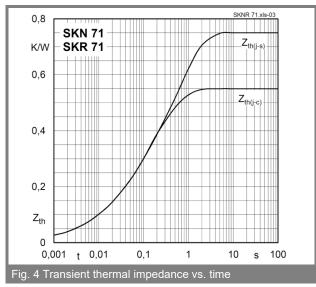


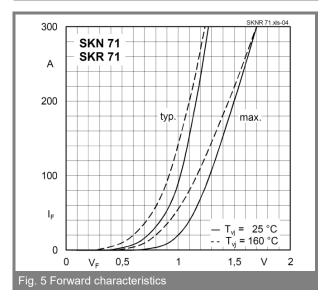
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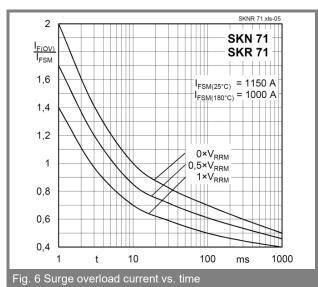


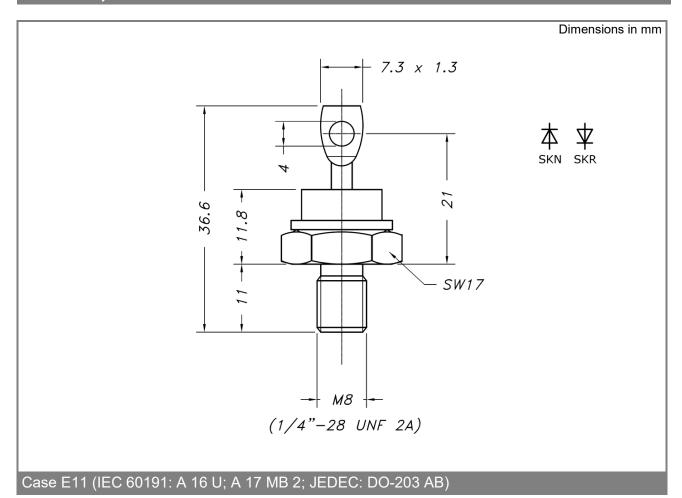












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