SKN 1503 SG



Capsule Diode

V _{RSM}	V _{RRM}	I _{FAV} = 1500 A (sin. 180 DSC; T _c = 87°C)
400	400	SKN 1503/04 SG
800	800	SKN 1503/08 SG
1200	1200	SKN 1503/12 SG
1800	1800	SKN 1503/18 SG
2200	2200	SKN 1503/22 SG

Diodes

SKN 1503 SG

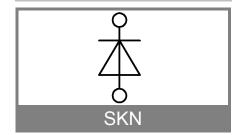
Features

- Metal case with epoxy insulation
- Capsule package for double sided cooling
- Reverse voltage up to 2200 V
- Cooling with heatsinks (double or single sided)

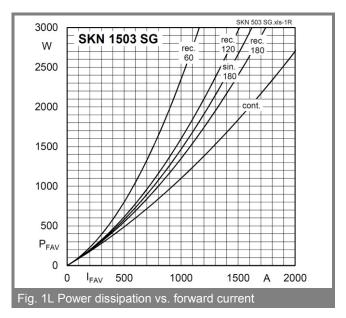
Typical Applications *

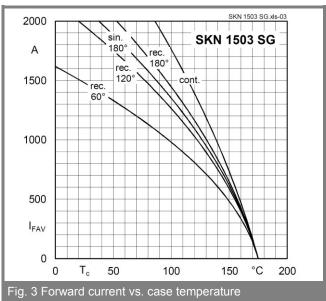
- All-purpose high power rectifier diodes
- Industrial high power drives and traction applications
- Non-controllable and halfcontrollable rectifiers
- Free-wheeling diodes

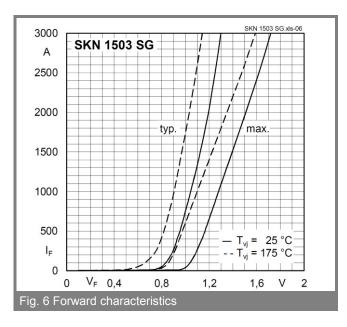
Symbol	Condition	Values	Units
I _{FAV}	sin. 180 ; T _c = 100 (85) °C 2 x P8/180; T _a = 45 °C; B2/B6 2 x P8/180F; T _a = 35 °C; B2/B6	1350 (1523) 750 / 1080 1840 / 2600	A A A
I _{FSM}	T_{vj} = 25° C ; 10 ms T_{vj} = 175° C ; 10 ms T_{vj} = 25° C ; 8,310 ms T_{vj} = 175° C ; 8,310 ms	19000 16000 1800 1280	A A kA ² s kA ² s
V _F V _{F(TO)} r _T I _R	T_{vj} = 25° C, I_F = 1800 A T_{vj} = 175° C T_{vj} = 175° C T_{vj} = 25° C; V_R = V_{RRM} T_{vj} = 175° C; V_R = V_{RRM}	max. 1,3 max. 0,85 max. 0,25 max. 4 max. 50	V V mΩ mA
Rth(j-c) Rth(c-s) Tvj Tstg	cont.; DSC / SSC DSC / SSC	33 / 66 7 / 14 -40+175 -40+150	mK/W mK/W °C °C
F m	Mounting force (SI units) approx.	12 13,5 270	kN g
Case		E26	

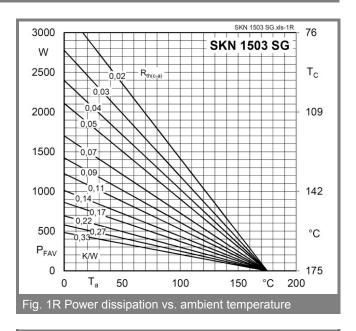


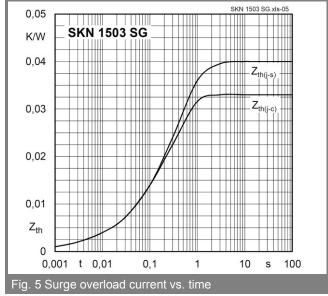
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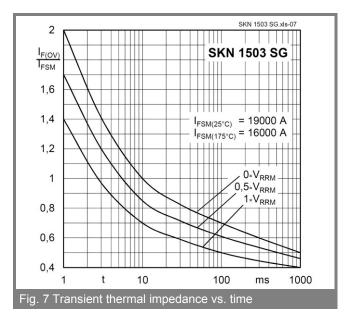


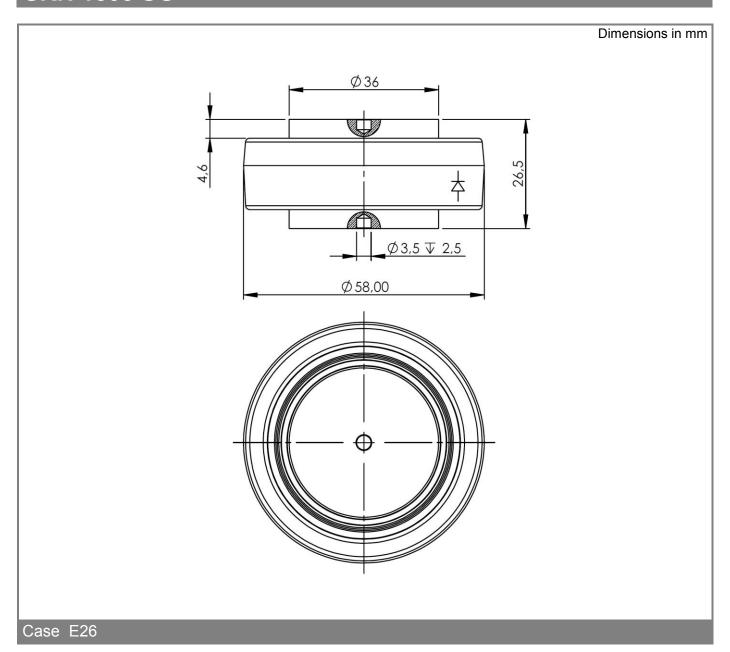












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