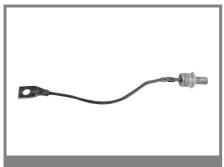
SKNa 20



Stud Diode

Avalanche Diode

SKNa 20

Features

- Avalanche type reverse characteristic up to 1700
- Hermetic metal case with glass insulator
- Anode side threaded stud ISO M
- Cooling via metal plates or heat sinks
- · SKN: Anode to stud

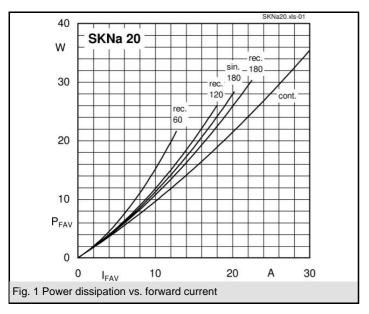
Typical Applications

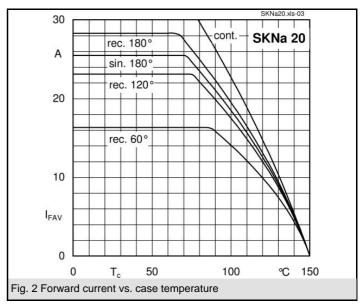
- DC supply for magnetes or solenoids (brakes, valves etc.)
- Field coil supply for DC motors
- Series connections for high voltage applications (dust precipitators)

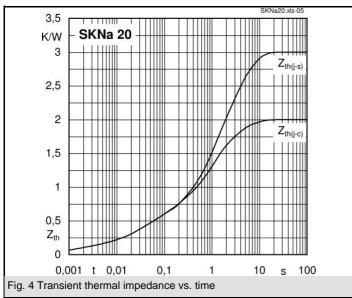
V _{(BR)min}	I _{FRMS} = 40 A (maximum value for continuous operation)	C _{max}	R_{min}
V	I _{FAV} = 20 A (sin. 180; T _c = 93 °C)	μF	Ω
1300	SKNa 20/13		
1700	SKNa 20/17		

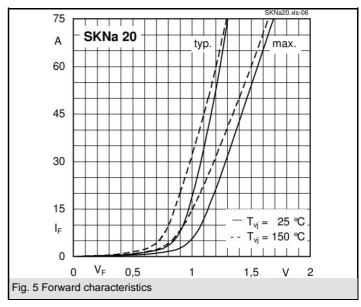
Symbol	Conditions	Values	Units
I _{FAV}	sin. 180; T _c = 85 (100) °C	22 (18)	А
I _D	K 9; T _a = 45 °C; B2 / B6	17 / 24	Α
	K 3; T _a = 45 °C; B2 / B6	30 / 42	Α
I _{FSM}	T _{vj} = 25 °C; 10 ms	375	Α
	T _{vi} = 150 °C; 10 ms	320	Α
i²t	T _{vj} = 25 °C; 8,3 10 ms	700	A²s
	T _{vj} = 150 °C; 8,3 10 ms	510	A²s
V _F	T _{vi} = 25 °C; I _F = 60 A	max. 1,55	V
$V_{(TO)}$	T _{vi} = 150 °C	max. 0,85	V
r _T	T _{vi} = 150 °C	max. 11	mΩ
I _{RD}	$T_{vj} = 25 \text{ °C}; V_{RD} = V_{(BR)min}$	max. 10	μΑ
P_{RSM}	$T_{vj} = 150 ^{\circ}\text{C}; t_p = 10 \mu\text{s}$	6	kW
R _{th(j-c)}		2	K/W
R _{th(c-s)}		1	K/W
T _{vj}		- 40 + 150	°C
T _{stg}		- 55 + 180	°C
V _{isol}		-	V~
M _s		2	Nm
а		5 * 9,81	m/s²
m	approx.	10	g
Case		E 9	

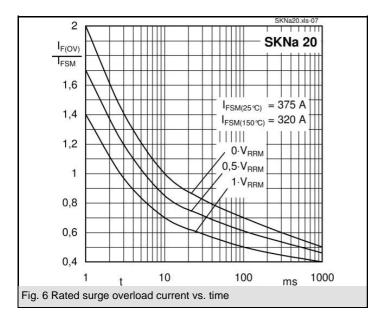


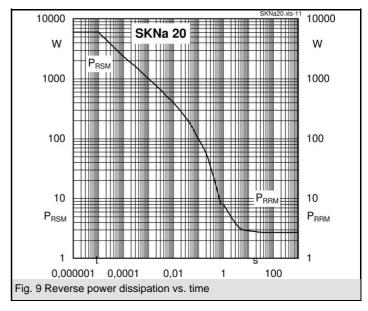


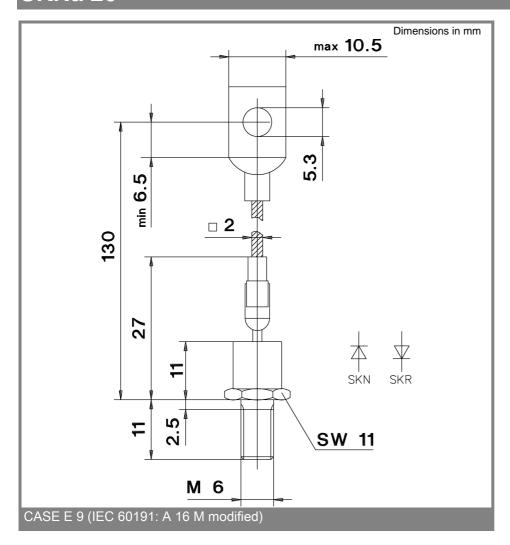












This technical information specifies semiconductor devices but promises no characteristics. No warranty or guarantee expressed or implied is made regarding delivery, performance or suitability.