SKNa 20



$V_{(BR)min}$	$I_{FRMS} = 40$ A (maximum value for continuous operation) $I_{FAV} = 20$ A (sin. 180; $T_c = 93$ °C)	
1300	SKNa 20/13	
1700	SKNa 20/17	

Stud Diode

Avalanche Diode

SKNa 20

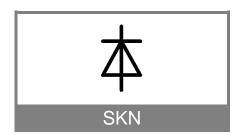
Features

- Avalanche type reverse characteristic up to 1700
- Hermetic metal case with glass insulator
- Anode side threaded stud ISO M6x1
- Cooling via metal plates or heatsinks
- SKN: Anode to stud

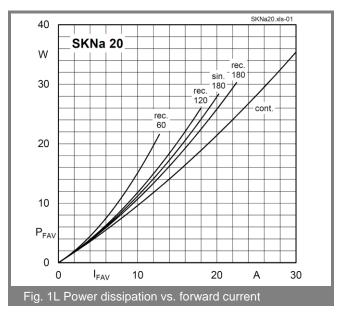
Typical Applications *

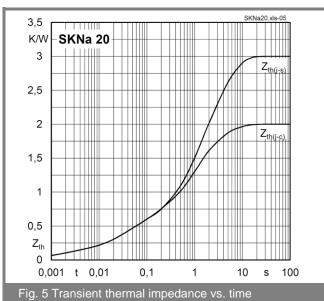
- DC supply for magnets or solenoids (brakes, valves, etc.)
- Field coil supply for DC motors
- Series connections for high voltage applications (dust precipitators)

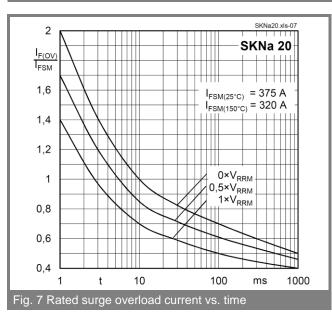
0	0 1141	V-l	11'4
Symbol	Condition	Values	Units
IFAV	sin. 180 ; T _C = 85 (100) °C	22 (18)	Α
I_D	K 9; $T_a = 45^{\circ}C$; B2 / B6	17 / 24	Α
	K 3; T _a = 45°C; B2 / B6	30 / 42	Α
I _{FSM}	$T_{vj} = 25^{\circ} \text{ C}$; 10 ms	375	Α
	$T_{vj} = 150^{\circ} C$; 10 ms	320	Α
i ² t	$T_{vj} = 25^{\circ} \text{ C}$; 8,310 ms	700	A ² s
	$T_{vj} = 150^{\circ} \text{ C}$; 8,310 ms	510	A ² s
V _F	T _{vj} = 25° C, I _F = 60 A	max. 1,55	V
$V_{(TO)}$	$T_{vj} = 150^{\circ} C$	max. 0,85	V
r⊤	$T_{vj} = 150^{\circ} C$	max. 11	mΩ
I_{RD}	$T_{vj} = 25^{\circ} \text{ C}$; $V_{RD} = V_{(BR)min}$	max. 10	mA
P _{RSM}	$T_{vj} = 150^{\circ}C, t_p = 10 \ \mu s$	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
Visol		-	V~
Ms	M6 Stud	2	Nm
а		5 * 9,81	m/s ²
m	approx.	11	g
Case		E 9	

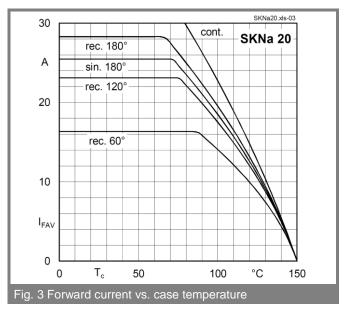


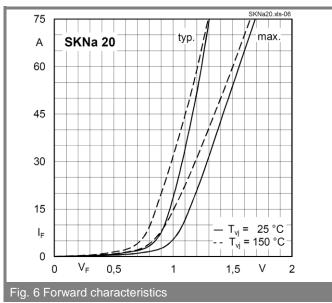
SKNa 20

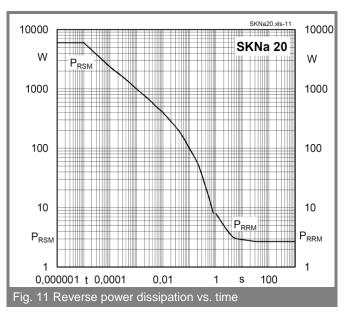


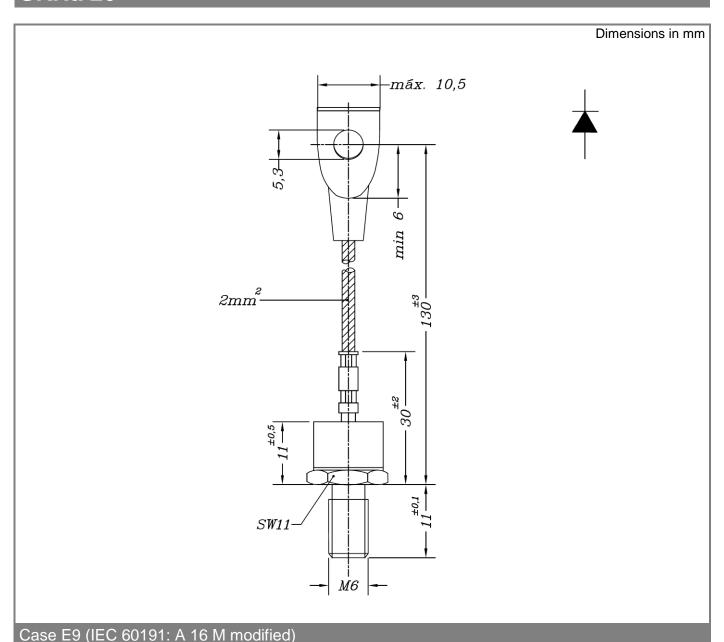












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