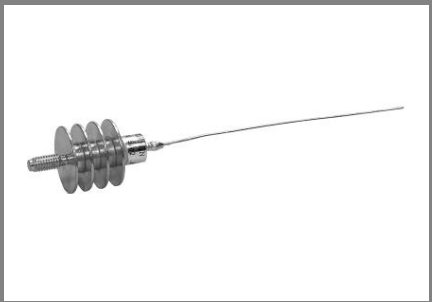




Stud Diode

Avalanche Diode

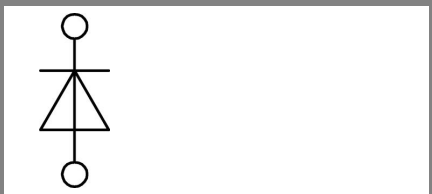
SKNa 4

Features

- Avalanche type reverse characteristic up to 1700V
- Transient voltage proof within specified limits
- Hermetic metal case with glass insulator
- Anode side threaded stud ISO M4
- Integrated cooling fins
- SKN: Anode to stud

Typical Applications

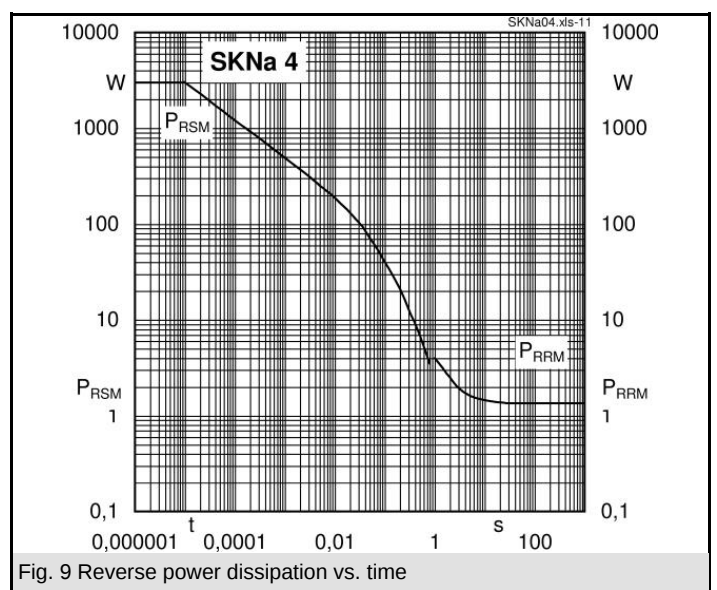
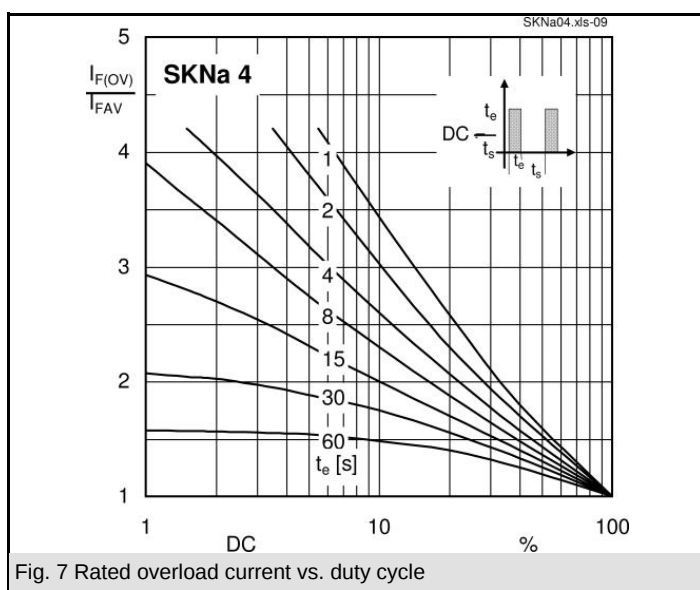
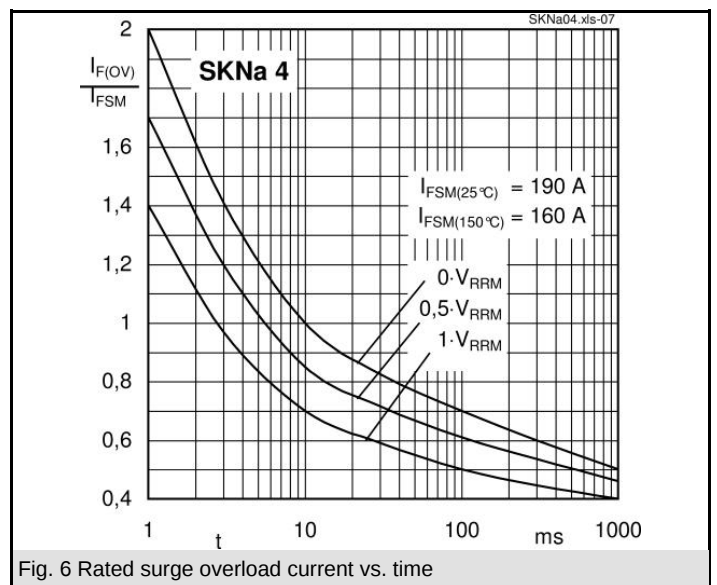
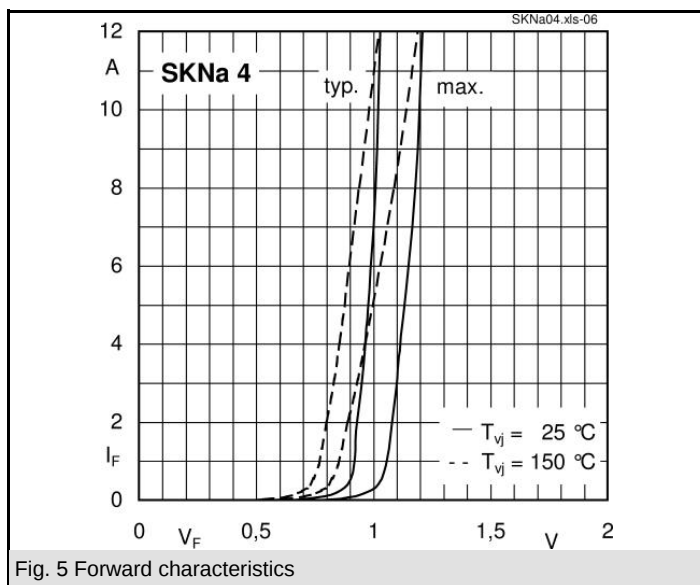
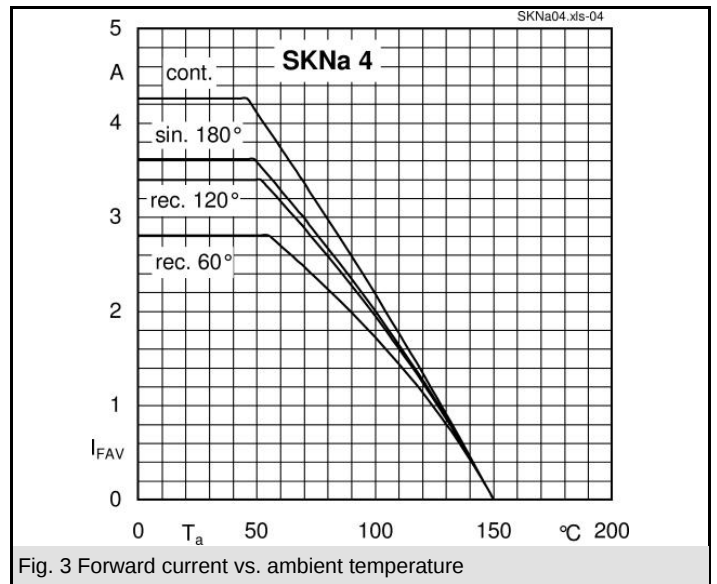
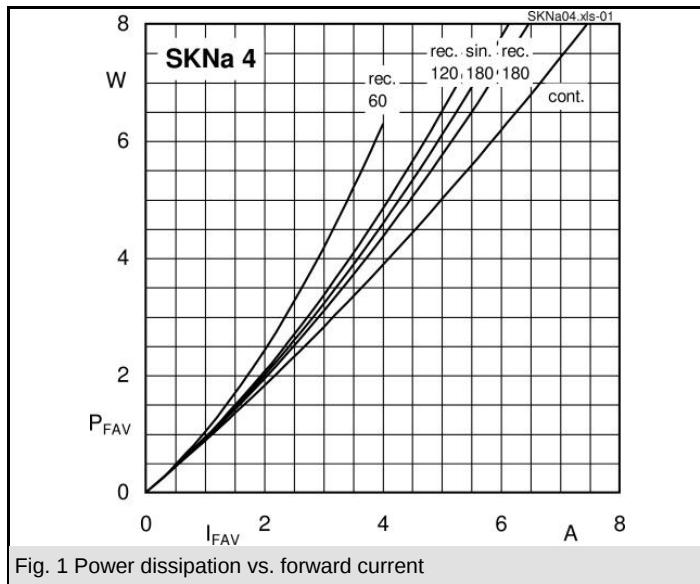
- DC supply for magnetes or solenoids (brakes, valves etc.)
- Field coil supply for DC motors
- Series connections for high voltage applications (dust precipitators)



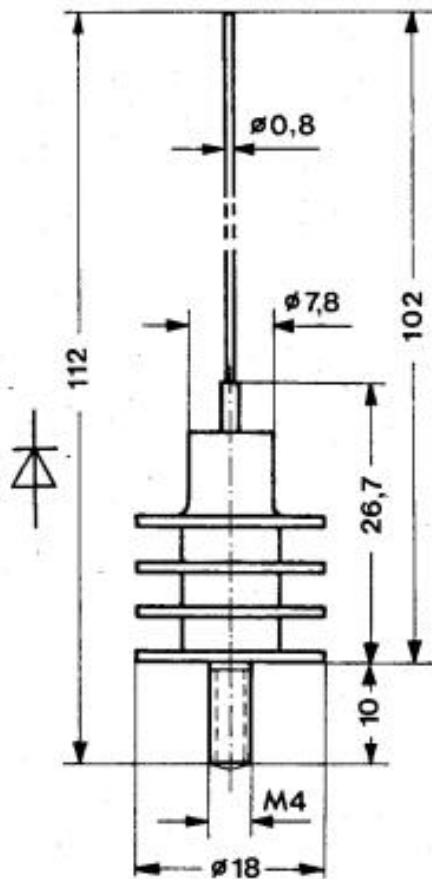
SKN

$V_{(BR)min}$	$I_{FRMS} = 10\text{ A}$ (maximum value for continuous operation)	C_{max}	R_{min}
V	$I_{FAV} = 4\text{ A}$ (sin. 180; $T_a = 35\text{ °C}$)	μF	Ω
1300	SKNa 4/13		
1700	SKNa 4/17		

Symbol	Conditions	Values	Units
I_{FAV}	sin. 180; $T_a = 45\text{ (85) °C}$	3,7 (2,9)	A
I_{FAV}	rec. 120; $T_a = 45\text{ °C}$	3,5	
I_{FSM}	$T_{vj} = 25\text{ °C}$; 10 ms	190	A
	$T_{vj} = 150\text{ °C}$; 10 ms	160	A
i^2t	$T_{vj} = 25\text{ °C}$; 8,3 ... 10 ms	180	A²s
	$T_{vj} = 150\text{ °C}$; 8,3 ... 10 ms	130	A²s
V_F	$T_{vj} = 25\text{ °C}$; $I_F = 10\text{ A}$	max. 1,2	V
$V_{(TO)}$	$T_{vj} = 150\text{ °C}$	max. 0,85	V
r_T	$T_{vj} = 150\text{ °C}$	max. 30	mΩ
I_{RD}	$T_{vj} = 150\text{ °C}$; $V_{RD} = V_{(BR)min}$	max. 600	μA
P_{RSM}	$T_{vj} = 150\text{ °C}$; $t_p = 10\text{ μs}$	3	kW
$R_{th(j-c)}$		1,8	K/W
$R_{th(j-a)}$		25	K/W
T_{vj}		- 40 ... + 150	°C
T_{stg}		- 40 ... + 180	°C
V_{isol}		-	V~
M_s		0,8	Nm
a		5 * 9,81	m/s²
m	approx.	20	g
Case		E 6	



Dimensions in mm



CASE E 6

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