V_{RRM} V	$V_{(BR)}$ V	V_{RWM} V	Types	V_F I_F = 30 A V	N	R_{thjoil} °C/W
80 000	100 000	75 000	**SKXA 75 000**	160	54	2,6
80 000	100 000	75 000	**SKXA 75 M**	210	61	2,3
105 000	130 000	100 000	**SKXA 100 M**	225	74	2,2
160 000	200 000	150 000	**SKXA 150 M**	340	108	1,4
180 000	220 000	170 000	**SKXA 180 M**	340	108	1,4

Symbol	Conditions	SKXA .	
I_{FAV}	T_{oil} = 75 °	0,35 A	
I_{FN}	T_{amb} = 45 °	0,28 A	
$I_{F(OV)}$	t_p = 1 t_p = 100 m	2,6 A 7,5 A	
I_{FSM}	T_{vj} = 25 °C; 10 m T_{vj} = 125 °C; 10 ms	100 A 90 A	
i^2t	T_{vj} = 25 °C; 8,3 ... 10 ms T_{vj} = 125 °C; 8,3 ... 10 ms	50 A_2 s 40 A^2 s	
I_R	T_{vj} = 25 °C; V_R = V_{RRM}	1,5 µA	
T_{vj} T_{stg}		– 40...+125 °C – 40...+125 °C	
Case		F3	

High Voltage Rectifiers 80...180 kV

SKXA ...

Features

- Hermetically sealed in ceramic tube
- Used in oil
- Clip-on contacts
- Avalanche characteristics

Typical Applications

- X-Ray equipment
- Electrostatic precipitators
- Electronic beam welding
- Lasers
- Cable test Equipment

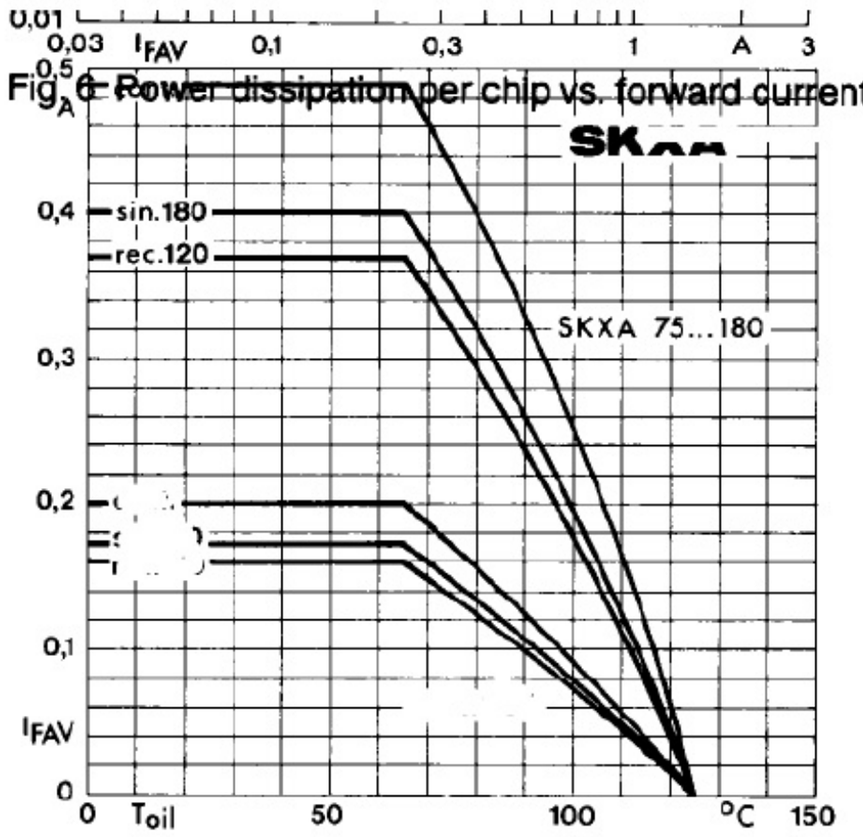


Fig. 6 Power dissipation per chip vs. forward current

Fig. 3 Rated forward current vs. oil temperature

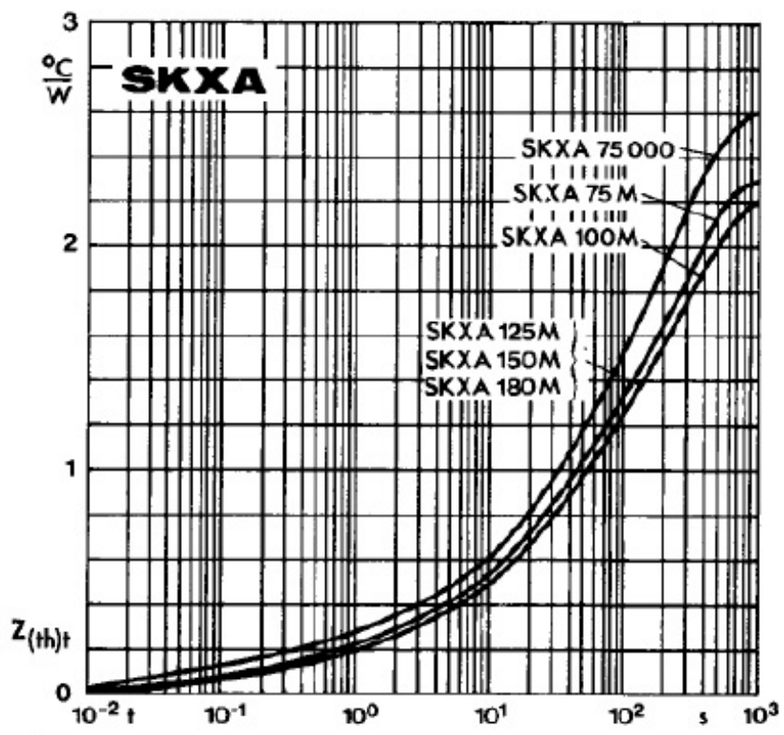


Fig. 4 b Transient thermal impedance vs. time

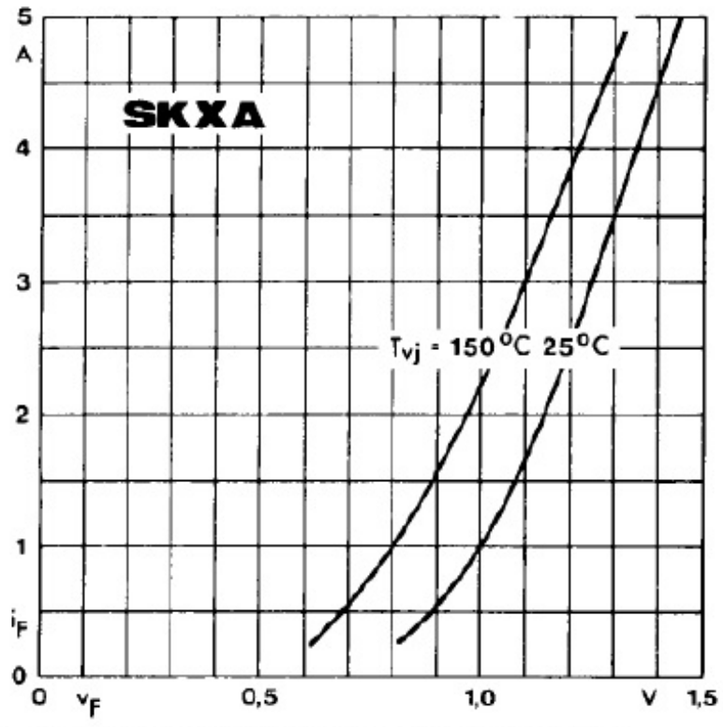
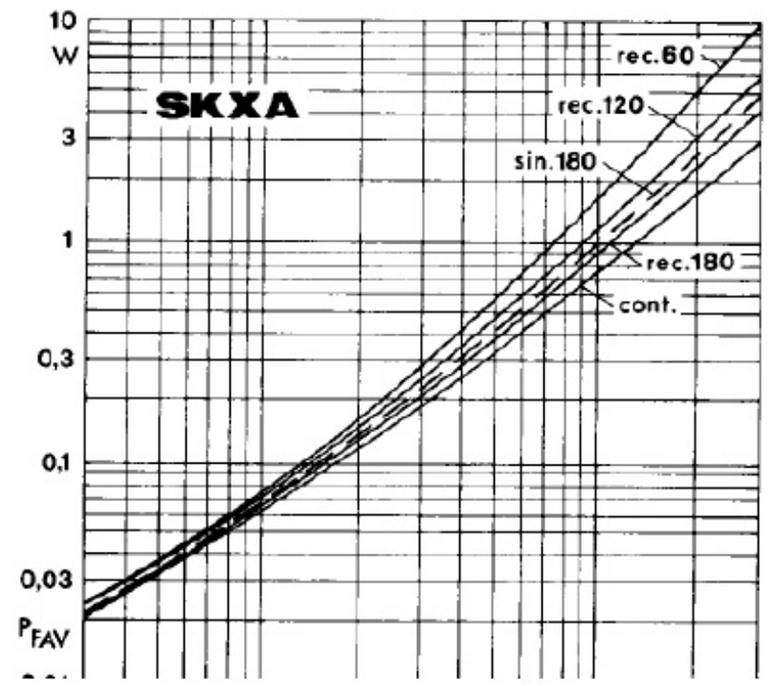


Fig. 5 Forward characteristic of a single chip



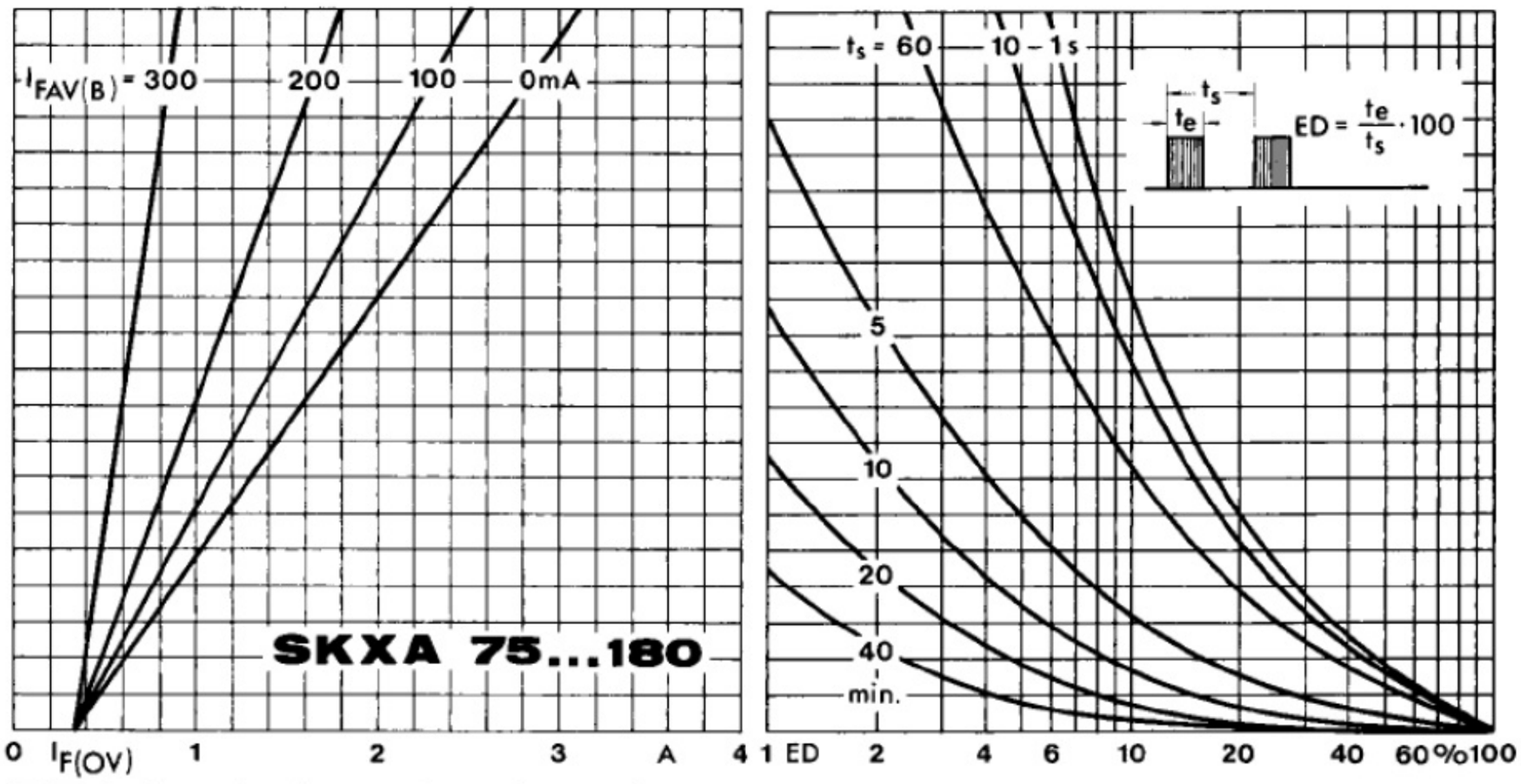


Fig. 7 Rated overload current vs. duty cycle

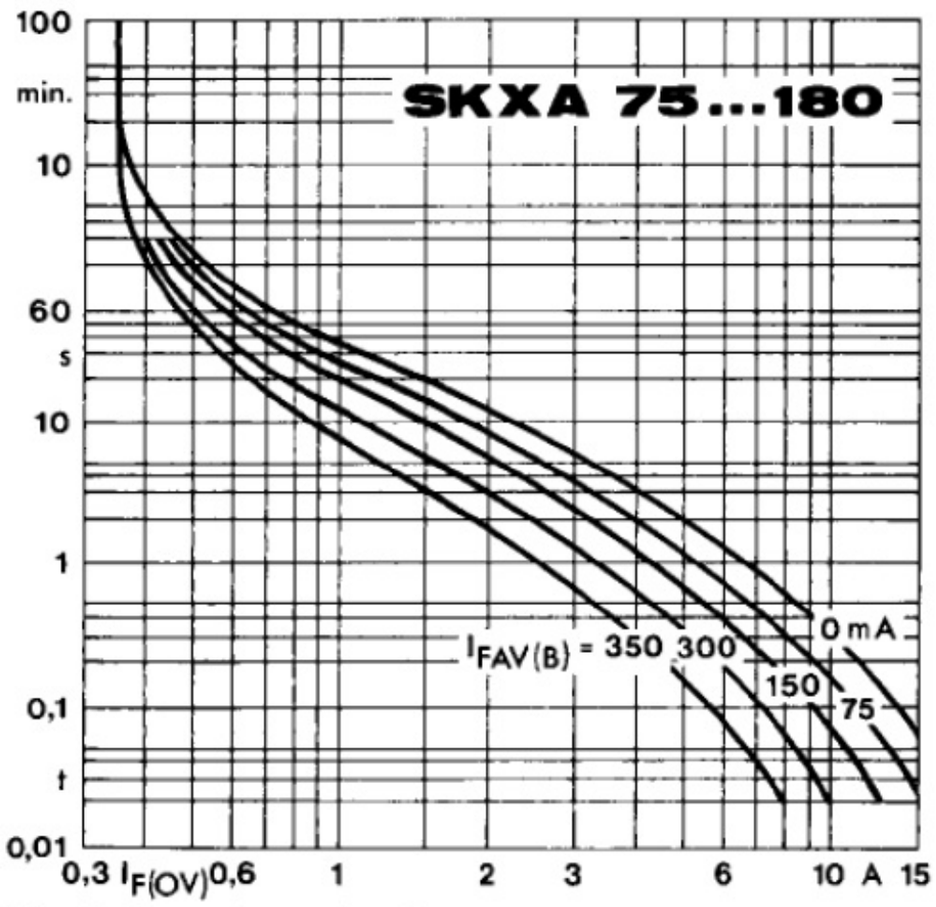
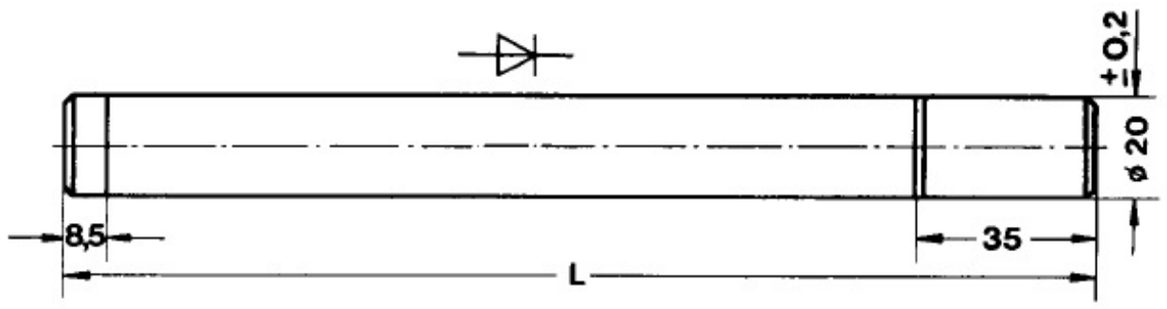


Fig. 8 Rated overload current vs. time

SKXA
Case F 3



Type	L^{+1}_{-2} mm	w g
SKXA 75000	124	105
SKXA 75 M	142	118
SKXA 100 M	170	143
SKXA 150 M	230	192
SKXA 180 M	230	192

Dimensions in mm