

SKa 1



Axial Lead Diode

Avalanche Diode

SKa 1

Features

- Avalanche type reverse characteristic
- Transient voltage proof within specified limits
- Taped for automatic insertion
- Available with formed leads on request
- Plastic material used carries Underwriter Laboratories flammability classification 94V-0

Typical Applications

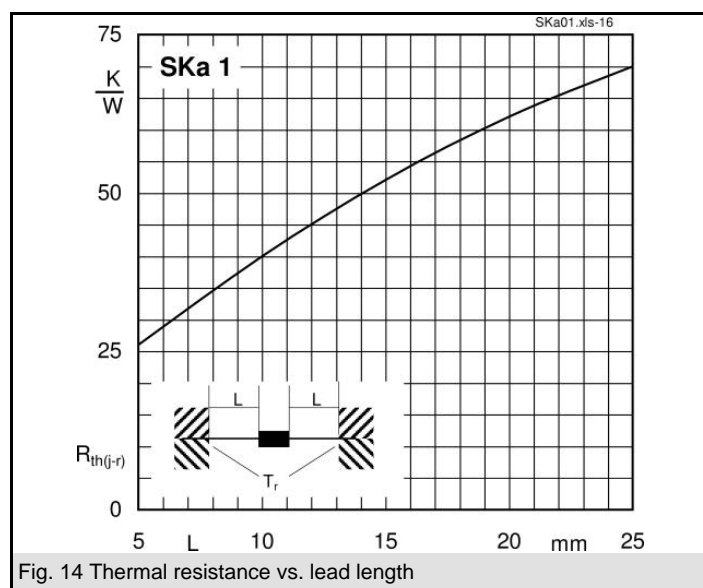
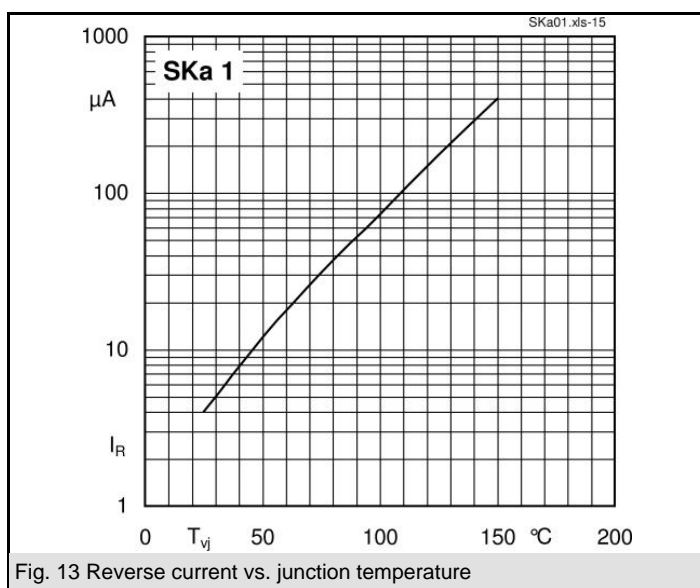
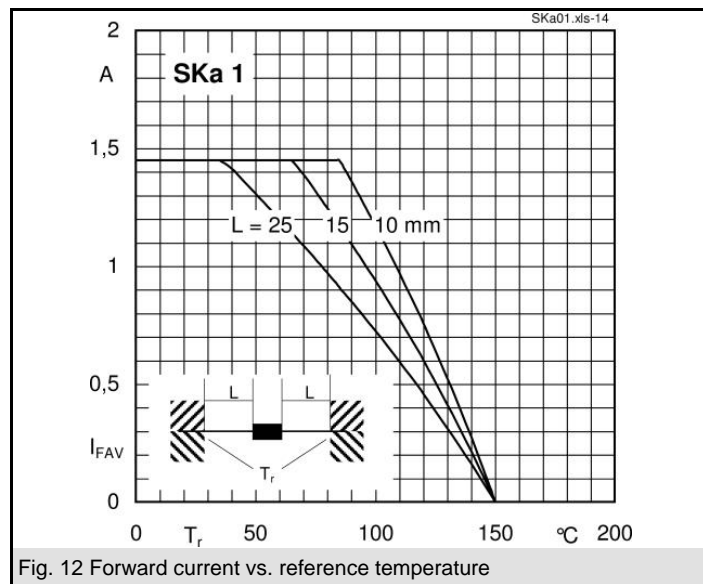
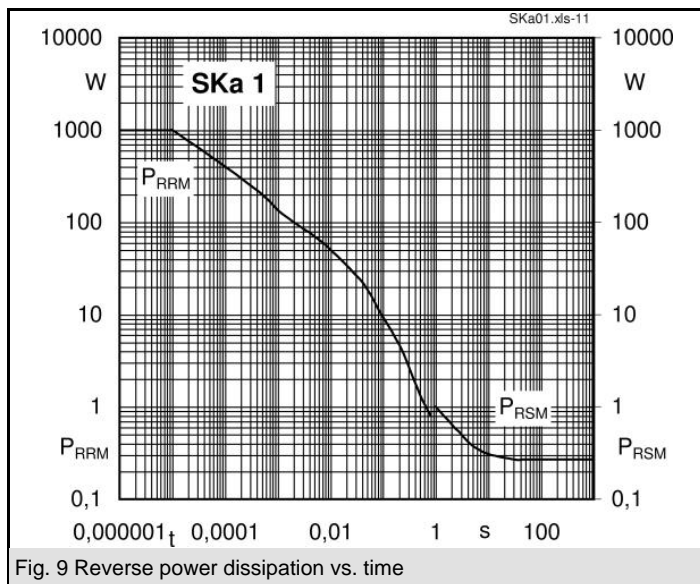
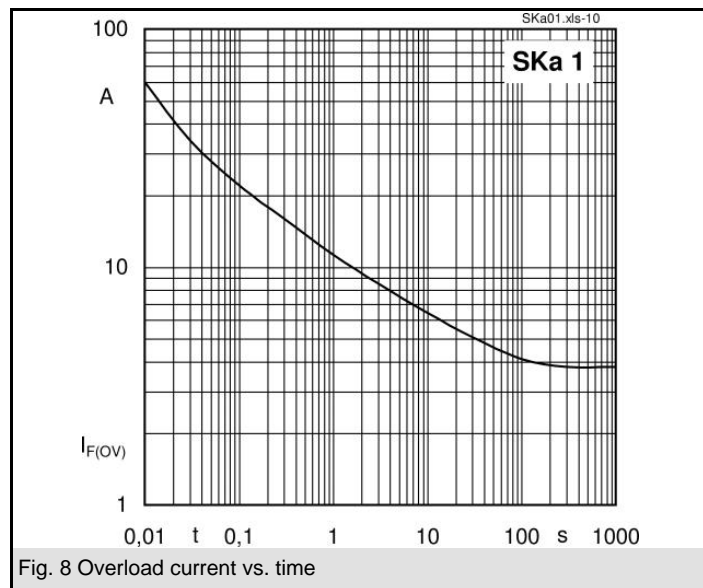
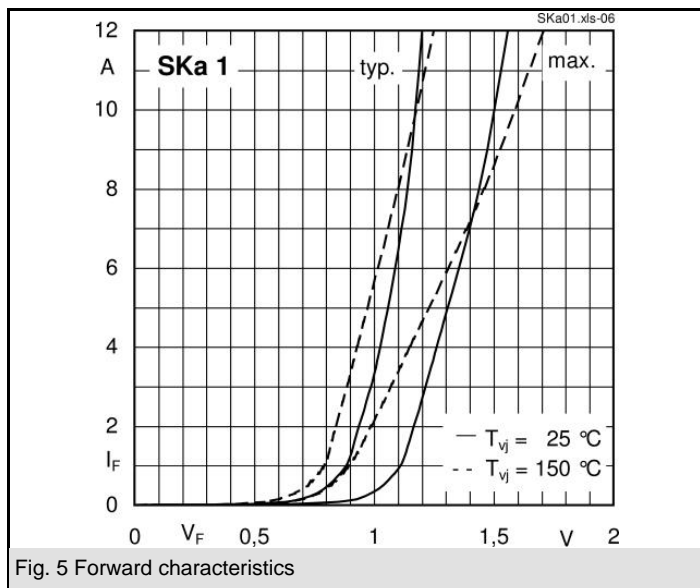
- DC supply for magnetes or solenoids (brakes, valves etc.)
- Series connections for high voltage applications (dust precipitators)

$V_{(BR)min}$	$I_{FRMS} = 3 A$ (maximum value for continuous operation)	C_{max}	R_{min}
V	$I_{FAV} = 1 A$ (sin. 180; $T_a = 60 ^\circ C$)	μF	Ω
1300	SKa 1/13	400	6
1700	SKa 1/17	200	10

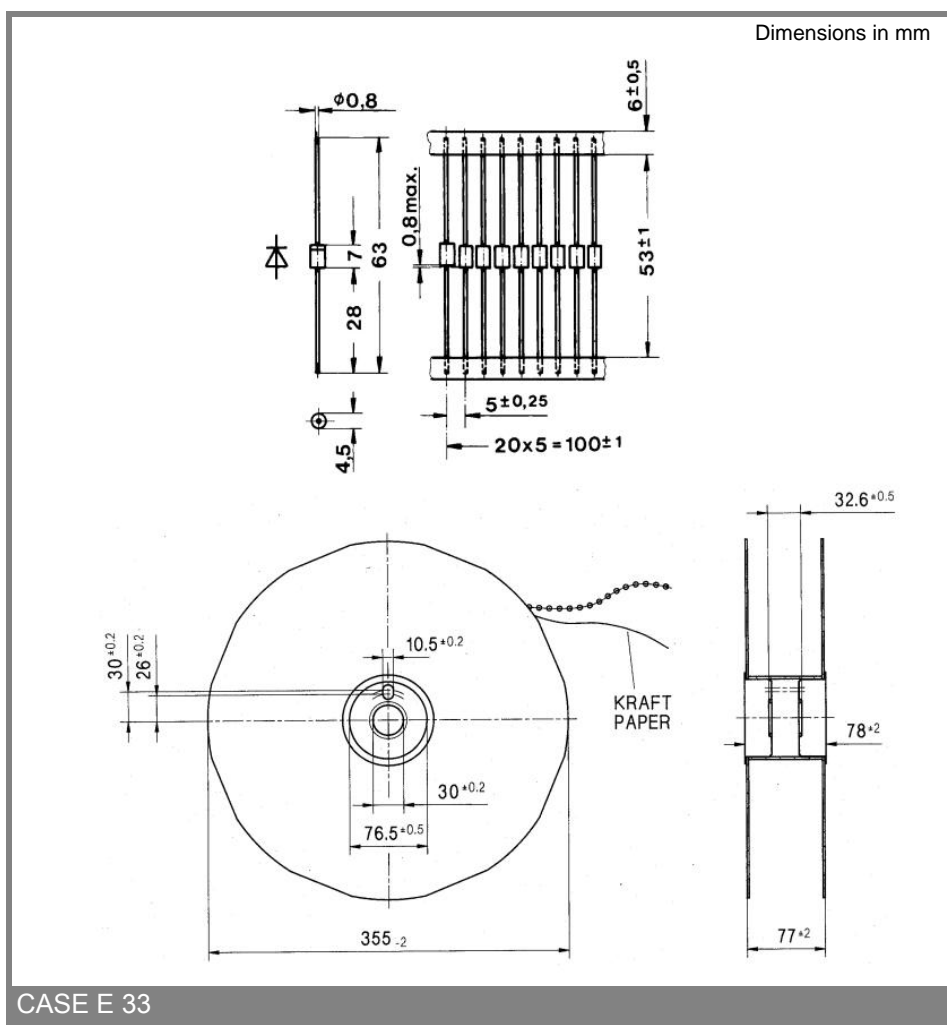
Symbol	Conditions	Values	Units
I_{FAV}	$T_r = 85 ^\circ C$; $L = 10 mm$; sin. 180	1,45	A
I_{FAV}	$T_a = 45 ^\circ C$; PCB 50 x 50 mm	1,15	A
I_{FSM}	$T_{vj} = 25 ^\circ C$; 10 ms	60	A
	$T_{vj} = 150 ^\circ C$; 10 ms	50	A
i^2t	$T_{vj} = 25 ^\circ C$; 8,3 ... 10 ms	18	A ² s
	$T_{vj} = 150 ^\circ C$; 8,3 ... 10 ms	12,5	A ² s
V_F	$T_{vj} = 25 ^\circ C$; $I_F = 10 A$	max. 1,5	V
$V_{(TO)}$	$T_{vj} = 150 ^\circ C$	max. 0,85	V
r_T	$T_{vj} = 150 ^\circ C$	max. 75	m Ω
I_{RD}	$T_{vj} = 150 ^\circ C$; $V_{RD} = V_{(BR)min}$	max. 400	μA
P_{RSM}	$T_{vj} = 150 ^\circ C$; $t_p = 10 \mu s$	1	kW
$R_{th(j-r)}$	$L = 10 mm$	40	K/W
$R_{th(j-a)}$	PCB 50 x 50 mm	85	K/W
T_{vj}		- 40 ... + 150	$^\circ C$
T_{stg}		- 40 ... + 150	$^\circ C$
T_{sold}	max. 10 s; $L > 9 mm$	250	$^\circ C$
V_{isol}		-	V~
a		5 * 9,81	m/s ²
m	approx.	0,5	g
Case	3500 diodes per reel	E 33	



SKa 1



SKa 1



CASE E 33

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

Copyright © Each Manufacturing Company.

All Datasheets cannot be modified without permission.

This datasheet has been download from :

www.AllDataSheet.com

100% Free DataSheet Search Site.

Free Download.

No Register.

Fast Search System.

www.AllDataSheet.com