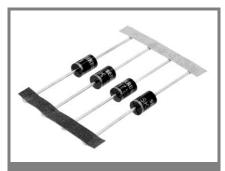
SKa 3



Axial Lead Diode

Avalanche Diode

SKa 3

Features

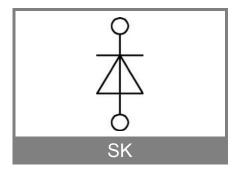
- Avalanche type reverse characteristic
- Transient voltage proof within specified limits
- Taped for automatic insertion
- Available with formed leads on request
- Plastic material meets UL 94V-0 flammability classification

Typical Applications

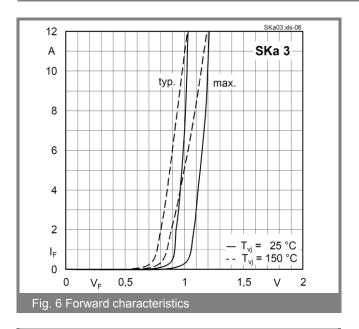
- DC supply for magnets or solenoids (brakes, valves, etc.)
- Series connections for high voltage applications (dust precipitators)

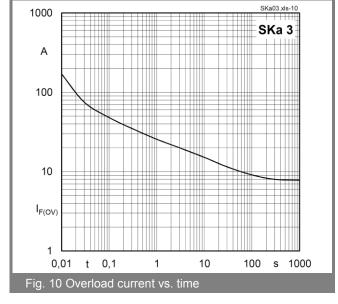
V _{(BR)min} V	I_{FRMS} = 6,7 A (maximum value for continuous operation) I_{FAV} = 3 A (sin. 180; T_r = 90°C)	C _{max} µF	R_{min} Ω
1300	SKa 3/13	1600	2
1700	SKa 3/17	800	4
2000	SKa 3/20	500	6

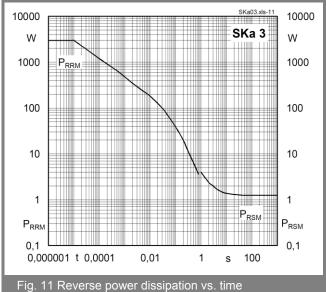
Symbol	Condition	Values	Units
I _{FAV}	T _r = 85°C; L = 10 mm; sin. 180 Ta = 45°C; PCB 50 x 50 mm	3,3 1,8	A A
I _{FSM}	T_{vj} = 25°C; 10 ms T_{vi} = 150°C; 10 ms T_{vi} = 25°C; 8,310 ms T_{vi} = 150°C; 8,310 ms	180 150 162 112,5	$ \begin{array}{c} A \\ A \\ A^2 s \\ A^2 s \end{array} $
$V_F \\ V_{(TO)} \\ r_T \\ I_R \\ P_{RSM}$	$T_{vj} = 25^{\circ}\text{C}, I_F = 10 \text{ A}$ $T_{vi} = 150^{\circ}\text{C}$ $T_{vj} = 150^{\circ}\text{C}$ $T_{vj} = 150^{\circ}\text{C}$; $V_{RD} = V_{(BR)min}$ $T_{vi} = 150^{\circ}\text{C}$; $t_p = 10 \mu\text{s}$	max. 1,2 max. 0,85 max. 30 max. 600 1,8	V V mΩ μA kW
$R_{th(j-r)} \\ R_{th(j-a)} \\ T_{vj} \\ T_{stg} \\ T_{SOLD}$	L = 10 mm PCB 50 x 50 mm max. 10 s; L > 9 mm	18 60 -40+150 -40+150 250	K/W K/W °C °C
a m	approx.	5 * 9,81 1	m/s ²
Case	1500 diodes per reel	E34	

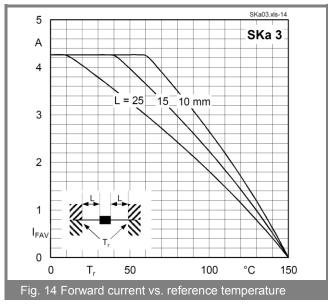


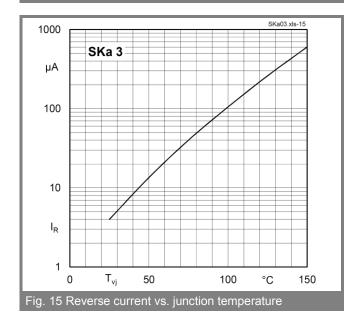
SKa 3

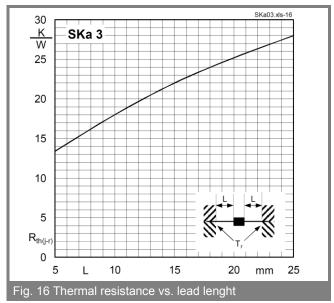


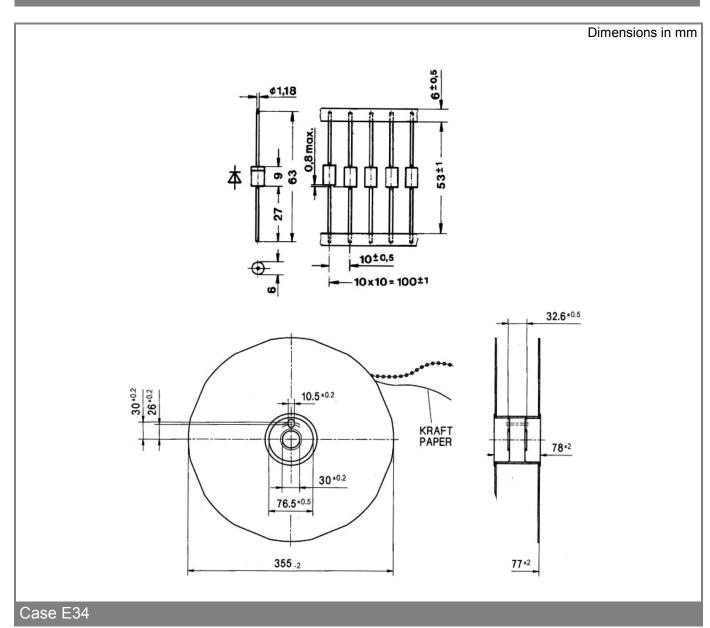












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