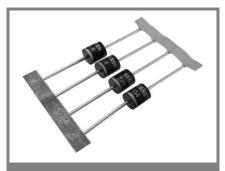
SKa 6



Axial Lead Diode

Avalanche Diode

SKa 6

Features

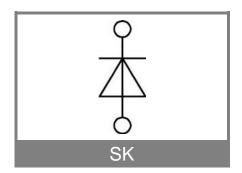
- Avalanche type reverse characteristic
- Reverse voltages up to 2000 V
- Tapped for automatic insertion
- Available with formed leads on request
- Plastic material used carries Underwriter Laboratories flammability classification 94V-0

Typical Applications

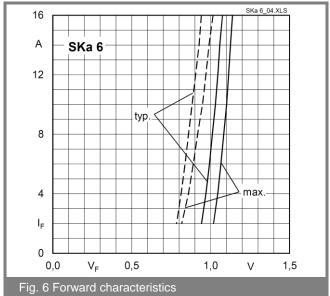
- DC supply for magnets or solenoids (brakes, valves, etc)
- Series connections for high voltage applications, like dust precipitators

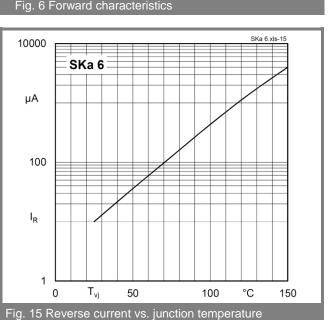
V _{RSM} V	V _{(BR)min}	$I_{FRMS} = 10 \text{ A (maximum value for continuous operation)}$ $I_{FAV} = 6 \text{ A (sin. 180; T}_r = 46^{\circ}\text{C})$	
1300	1300	SKa 6/13	
1700	1700	SKa 6/17	
2000	2000	SKa 6/20	

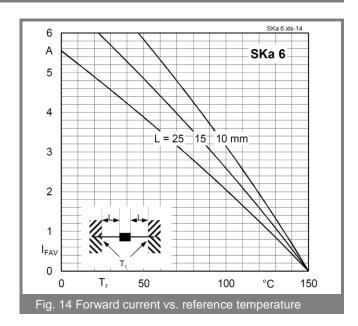
Symbol	Condition	Values	Units
IFAV	$T_r = 46$ °C; L = 10 mm; sin. 180 $T_r = 100$ °C; L = 10 mm; sin. 180	6 3,1	A A
I _{FSM} i ² t	$T_{vj} = 25^{\circ}\text{C}$; 10 ms $T_{vj} = 150^{\circ}\text{C}$; 10 ms $T_{vj} = 25^{\circ}\text{C}$; 8,310 ms $T_{vj} = 150^{\circ}\text{C}$; 8,310 ms	375 320 700 510	A A A ² s A ² s
VF V(TO) IT IR PRSM	$\begin{split} T_{vj} &= 25^{\circ}\text{C}, \ I_F = 10 \ \text{A} \\ T_{vj} &= 150^{\circ}\text{C} \\ T_{vj} &= 150^{\circ}\text{C} \\ T_{vj} &= 25^{\circ}\text{C} \ ; \ V_R = V_{(BR)min} \\ T_{vj} &= 150^{\circ}\text{C} \ ; \ V_R = V_{(BR)min} \\ T_{vj} &= 150^{\circ}\text{C} \ ; \ V_R = 10 \ \mu\text{s} \end{split}$	max. 1,1 max. 0,85 max. 11 max. 10 max. 4 6	V V mΩ μA mA kW
R _{th(j-r)} R _{th(j-a)} T _{vj} T _{stg} T _{SOLD}	L = 10mm PCB 50 x 50 mm max. 10s; L > 9mm	17 55 -40+150 -40+150 250	K/W K/W °C °C
a m	approx.	5 * 9,81 1,7	m/s² g
Case	1000 diodes per reel	SK6	

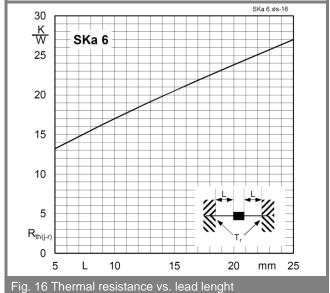


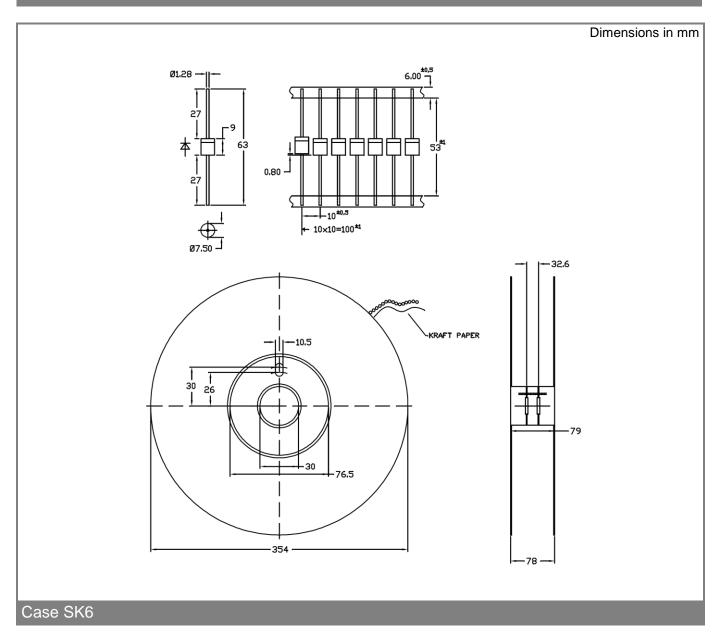
SKa 6











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