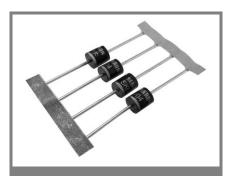
## SKa 6



Axial	Lead	Dioc	le
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### **Features**

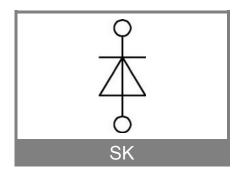
- Avalanche type reverse characteristic
- Reverse voltages up to 2000 V
- Tapped for automatic insertion
- Available with formed leads on request
- Plastic material used carries
   Underwriter Laboratories
   flammability classification 94V-0

## **Typical Applications**

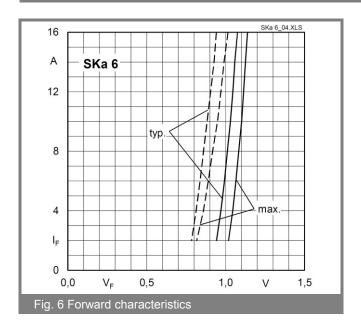
- DC supply for magnets or solenoids (brakes, valves, etc)
- Series connections for high voltage applications, like dust precipitators

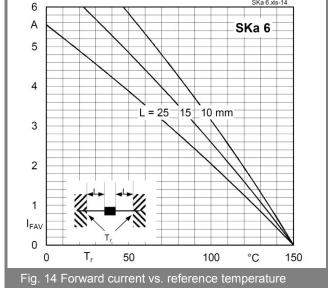
V <sub>RSM</sub>	V <sub>(BR)min</sub>	$I_{FRMS}$ = 10 A (maximum value for continuous operation) $I_{FAV}$ = 6 A (sin. 180; $T_r$ = 46°C)
1300	1300	SKa 6/13
1700	1700	SKa 6/17
2000	2000	SKa 6/20

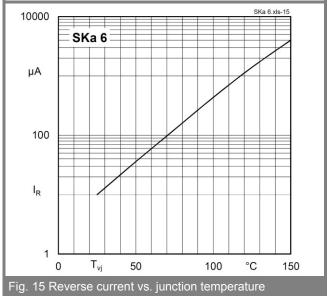
Symbol	Condition	Values	Units
IFAV	$T_r = 46$ °C; L = 10 mm; sin. 180	6	A
	$T_r = 100$ °C; L = 10 mm; sin. 180	3,1	A
I <sub>FSM</sub>	$T_{vj}$ = 25°C; 10 ms	375	A
	$T_{vj}$ = 150°C; 10 ms	320	A
	$T_{vj}$ = 25°C; 8,310 ms	700	A <sup>2</sup> s
	$T_{vj}$ = 150°C; 8,310 ms	510	A <sup>2</sup> s
V <sub>F</sub>	$T_{vj} = 25^{\circ}\text{C}, I_F = 10 \text{ A}$ $T_{vj} = 150^{\circ}\text{C}$ $T_{vj} = 150^{\circ}\text{C}$ $T_{vj} = 25^{\circ}\text{C}$ ; $V_R = V_{(BR)min}$ $T_{vj} = 150^{\circ}\text{C}$ ; $V_R = V_{(BR)min}$ $T_{vj} = 150^{\circ}\text{C}$ ; $V_R = V_{(BR)min}$	max. 1,1	V
V <sub>(TO)</sub>		max. 0,85	V
r <sub>T</sub>		max. 11	mΩ
I <sub>R</sub>		max. 10	μA
I <sub>R</sub>		max. 4	mA
P <sub>RSM</sub>		6	kW
R <sub>th(j-r)</sub> R <sub>th(j-a)</sub> T <sub>vj</sub> T <sub>stg</sub> T <sub>SOLD</sub>	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	approx.	5 * 9,81	m/s²
m		1,7	g
Case	1000 diodes per reel	SK6	

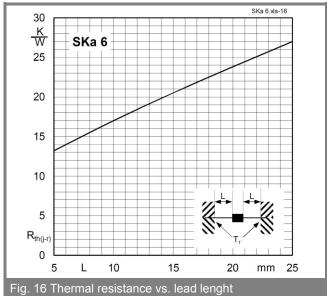


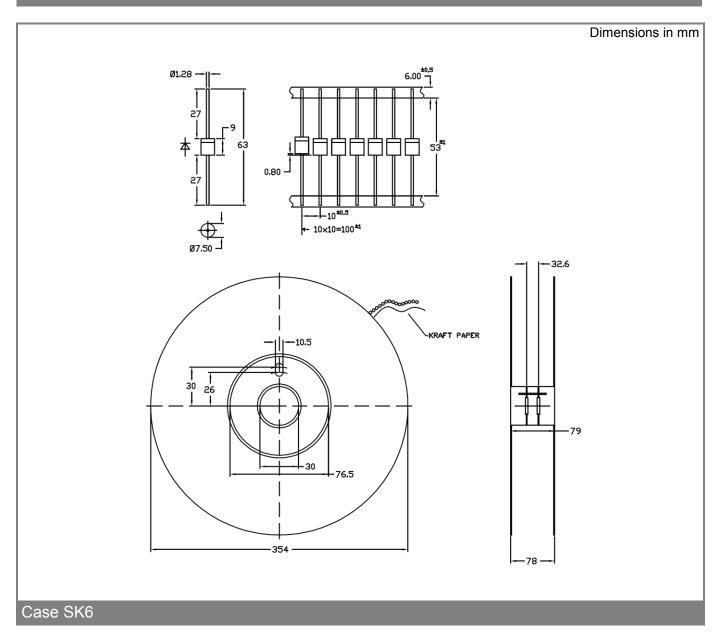
# SKa 6











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