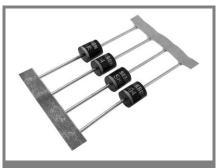
## **SK 6**



A	
$\Delta$ VIQI	
$\triangle$	Diode

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## **SK 6**

### **Features**

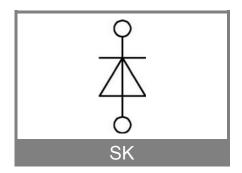
- Reverse voltages up to 1600 V
- Tapped for automatic insertion
- Available with formed leads on request
- Plastic material used carries
   Underwriter Laboratories
   flammability classification 94V-0

## **Typical Applications**

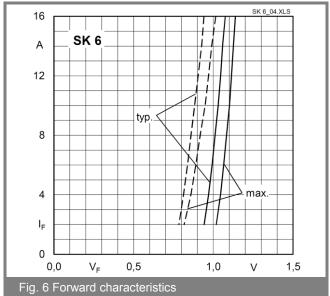
- All-purpose rectifier diodes
- For p.c.b mounting

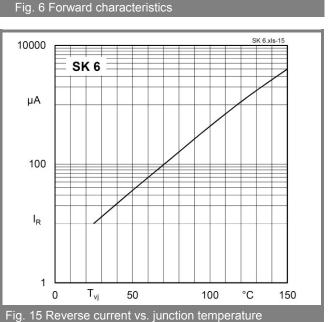
V <sub>RSM</sub>	V <sub>RRM</sub> V	$I_{FRMS}$ = 10 A (maximum value for continuous operation) $I_{FAV}$ = 6 A (sin. 180; $T_r$ = 46°C)
400	400	SK 6/04
800	800	SK 6/08
1000	1000	SK 6/10
1200	1200	SK 6/12
1600	1600	SK 6/16

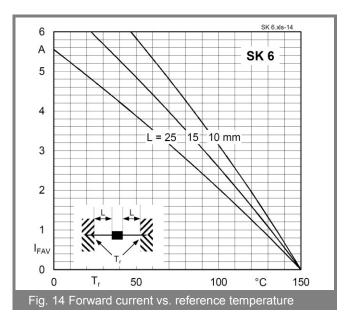
Symbol	Condition	Values	Units
I <sub>FAV</sub>	$T_r = 46^{\circ}C$ ; L = 10 mm; sin. 180	6	A
	$T_r = 100^{\circ}C$ ; L = 10 mm; sin. 180	3,1	A
I <sub>FSM</sub> i <sup>2</sup> t	$T_{vj}$ = 25°C ; 10 ms	375	A
	$T_{vj}$ = 150°C ; 10 ms	320	A
	$T_{vj}$ = 25°C ; 8,310 ms	700	A <sup>2</sup> s
	$T_{vj}$ = 150°C ; 8,310 ms	510	A <sup>2</sup> s
V <sub>F</sub>	$T_{vj} = 25^{\circ}\text{C}, I_F = 10 \text{ A}$ $T_{vj} = 150^{\circ}\text{C}$ $T_{vj} = 150^{\circ}\text{C}$ $T_{vj} = 25^{\circ}\text{C}$ ; $V_R = V_{RRM}$ $T_{vj} = 150^{\circ}\text{C}$ ; $V_R = V_{RRM}$	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
$R_{th(j-r)} \\ R_{th(j-a)} \\ T_{vj} \\ T_{stg} \\ T_{SOLD}$	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	approx.	5 * 9,81	m/s²
m		1,7	g
Case	1000 diodes per reel	SK6	

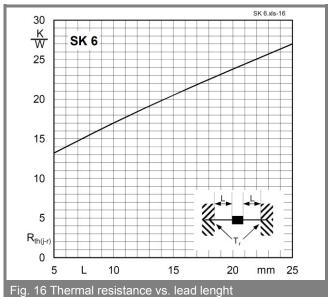


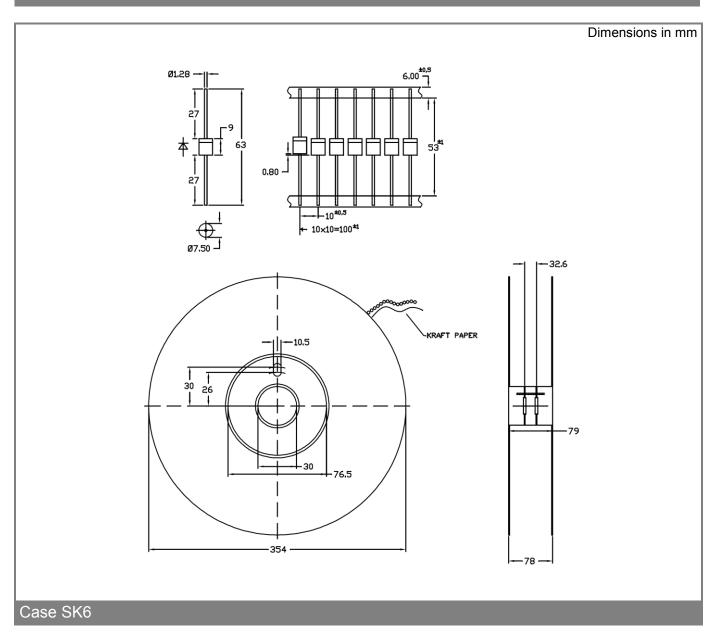
# SK 6











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