

SK 1



Axial Lead Diode

Rectifier Diode

SK1 CCE

SK 1

Features

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

Typical Applications

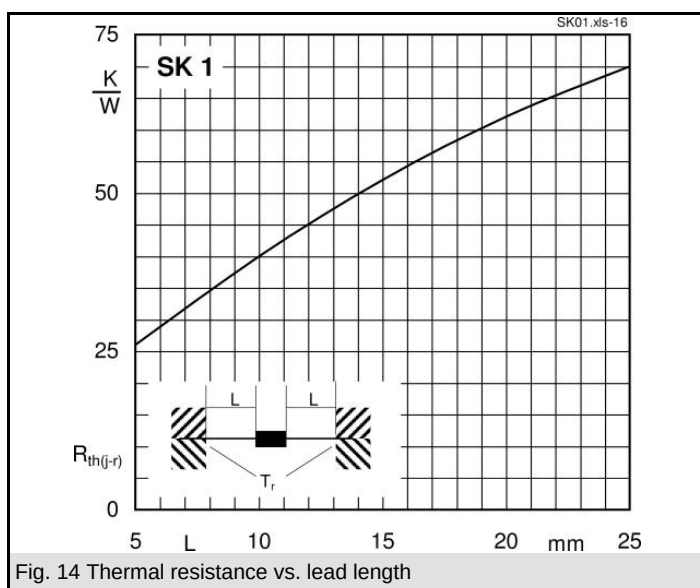
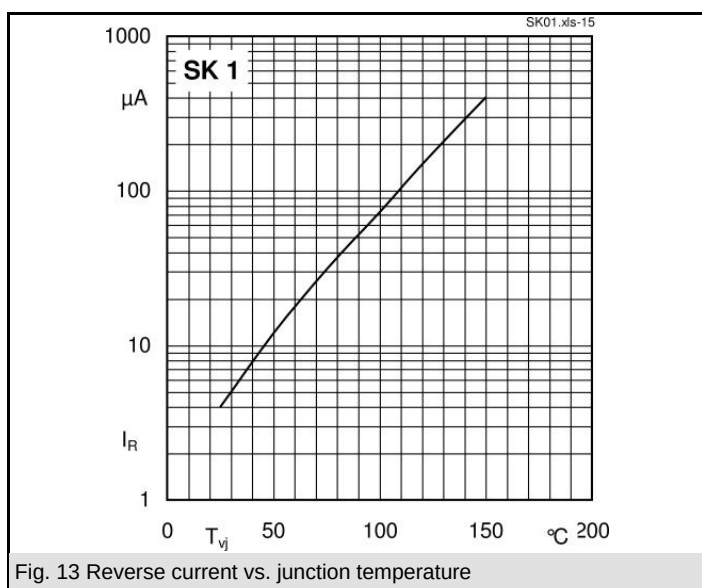
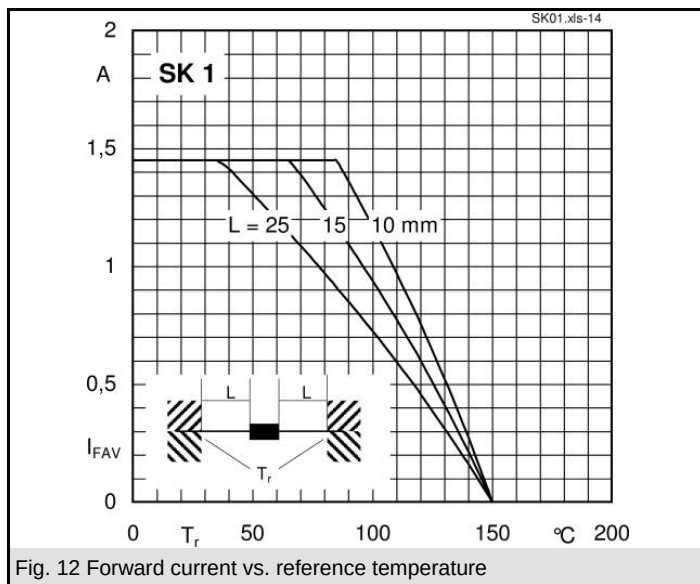
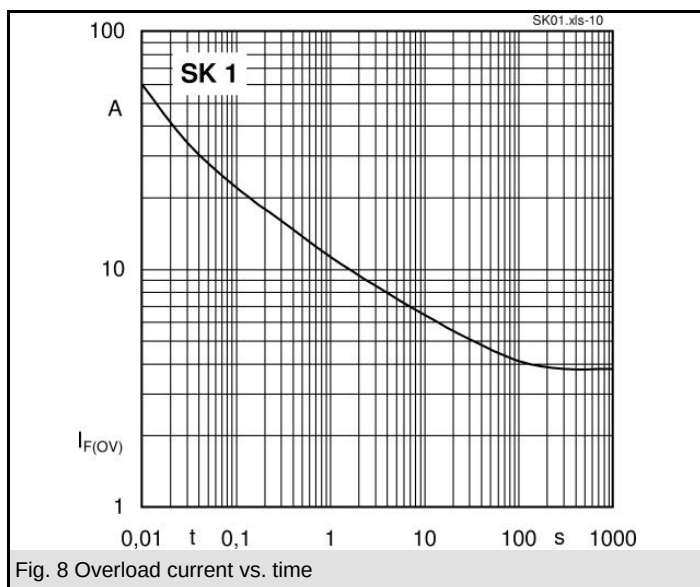
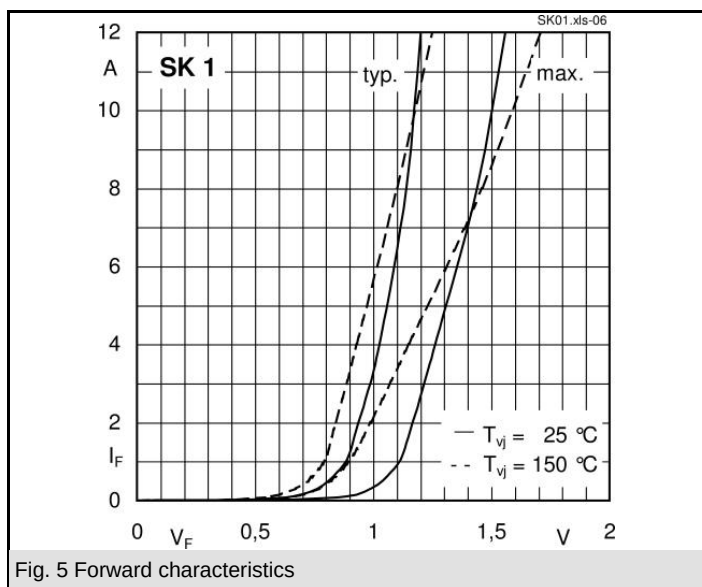
- All-purpose rectifier diodes

V_{RSM} V	V_{RRM} V	$I_{FRMS} = 3\text{ A}$ (maximum value for continuous operation) $I_{FAV} = 1\text{ A}$ (sin. 180; $T_a = 60\text{ }^{\circ}\text{C}$)		
1000	1000	SK 1/10		
1200	1200	SK 1/12		
1400	1400	SK 1/14		
1600	1600	SK 1/16		

Symbol	Conditions	Values	Units
I_{FAV}	sin. 180; $L = 10\text{ mm}$; $T_r = 85\text{ (100) }^{\circ}\text{C}$	1,45 (1,2)	A
I_{FSM}	$T_{vj} = 25\text{ }^{\circ}\text{C}$; 10 ms $T_{vj} = 150\text{ }^{\circ}\text{C}$; 10 ms	60 50	A
i^2t	$T_{vj} = 25\text{ }^{\circ}\text{C}$; 8,3 ... 10 ms $T_{vj} = 150\text{ }^{\circ}\text{C}$; 8,3 ... 10 ms	18 12,5	A ² s A ² s
V_F	$T_{vj} = 25\text{ }^{\circ}\text{C}$; $I_F = 10\text{ A}$	max. 1,5	V
$V_{(TO)}$	$T_{vj} = 150\text{ }^{\circ}\text{C}$	max. 0,85	V
r_T	$T_{vj} = 150\text{ }^{\circ}\text{C}$	max. 75	mΩ
I_{RD}	$T_{vj} = 150\text{ }^{\circ}\text{C}$; $V_{RD} = V_{RRM}$	max. 0,4	mA
Q_{rr}	$T_{vj} = 150\text{ }^{\circ}\text{C}$; $-di_F/dt = 10\text{ A}/\mu\text{s}$; $I_F = 10\text{ A}$	10	μC
$R_{th(j-r)}$	$L = 10\text{ mm}$	40	K/W
$R_{th(j-a)}$	PCB 50 x 50 mm	85	K/W
T_{vj}		- 40 ... + 150	$^{\circ}\text{C}$
T_{stg}		- 40 ... + 150	$^{\circ}\text{C}$
T_{sold}	max. 10 s; $L > 9\text{ mm}$	250	$^{\circ}\text{C}$
V_{isol}		-	V~
a		5 * 9,81	m/s ²
m	approx.	0,5	g
Case	3500 diodes per reel	E 33	



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