



SEMIPONT® 2

Power Bridge Rectifiers

SKB 60

Features

- Robust plastic case with screw terminals
- Large, isolated base plate
- Blocking voltage to 1600 V
- High surge currents
- Single phase bridge rectifier
- Easy chassis mounting
- UL recognized, file no. E 63 532

Typical Applications

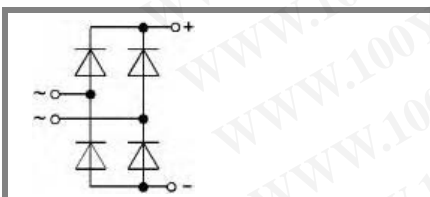
- Single phase rectifiers for power supplies
- Input rectifiers for variable frequency drives
- Rectifiers for DC motor field supplies
- Battery charger rectifiers

1) Painted metal sheet of minimum 250 x 250 x 1 mm: $R_{th(c-a)} = 1,8 \text{ K/W}$

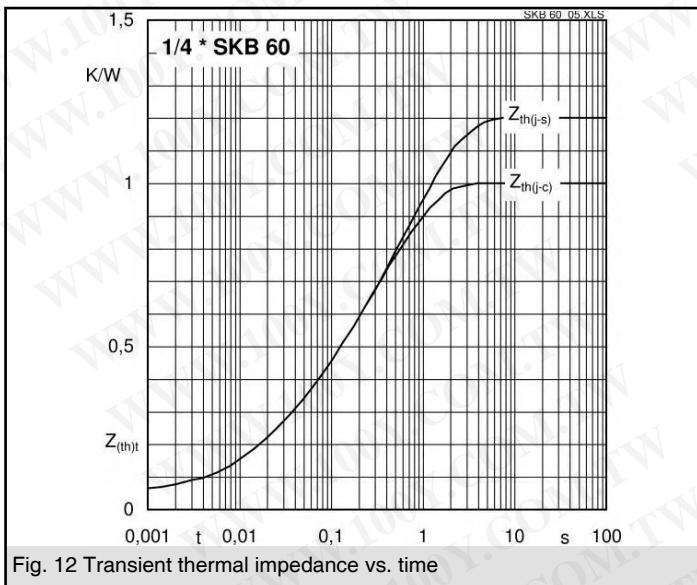
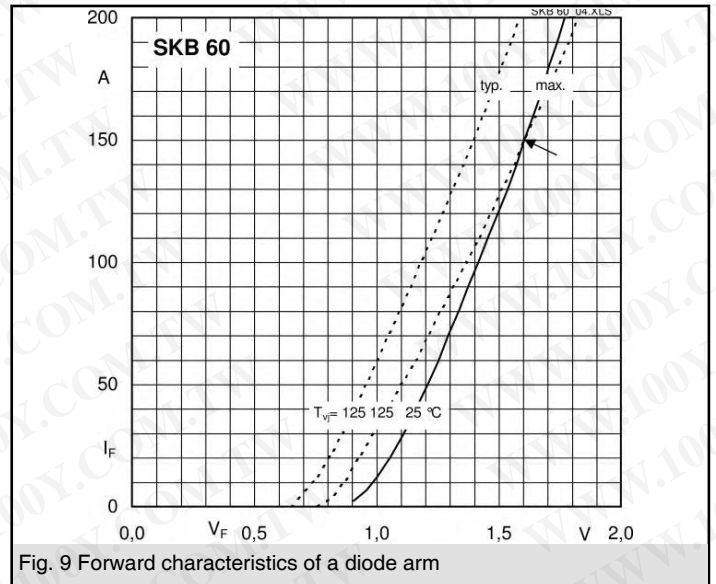
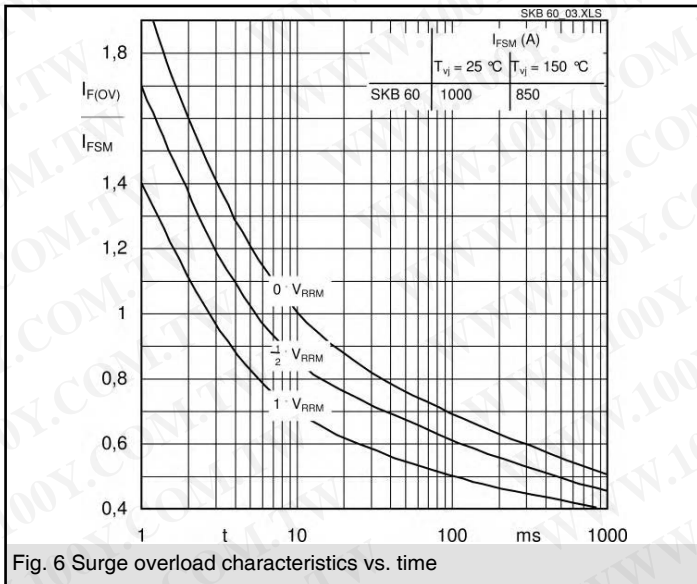
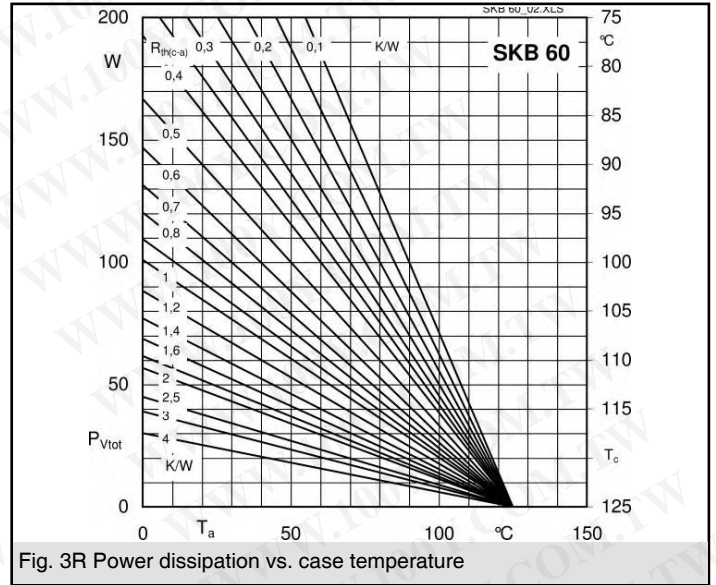
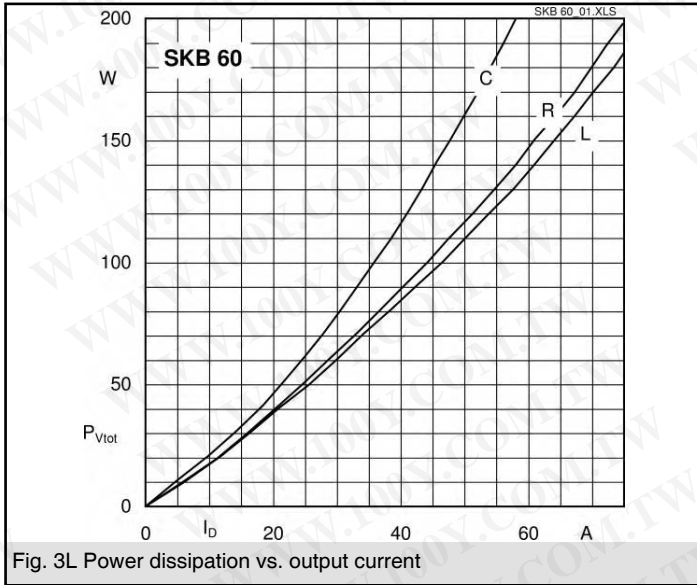
V_{RSM} V	V_{RRM}, V_{DRM} V	$I_D = 60 \text{ A}$ (full conduction) ($T_c = 88 \text{ °C}$)
400	400	SKB 60/04
800	800	SKB 60/08
1200	1200	SKB 60/12
1400	1400	SKB 60/14
1600	1600	SKB 60/16

Symbol	Conditions	Values	Units	
I_D	$T_c = 85 \text{ °C}$	67	A	
	inductive load		A	
	$T_a = 45 \text{ °C}$, chassis ¹⁾	20	A	
	$T_a = 45 \text{ °C}$; P13A/125 (P1A/120)	25 (44)	A	
i^2t	$T_{vj} = 25 \text{ °C}$; 10 ms	88	A	
	$T_{vj} = 125 \text{ °C}$; 10 ms	1000	A	
i^2t	$T_{vj} = 25 \text{ °C}$; 8,3 ... 10 ms	850	A	
	$T_{vj} = 125 \text{ °C}$; 8,3 ... 10 ms	5000	A ² s	
V_F	$T_{vj} = 25 \text{ °C}$; $I_F = 150 \text{ A}$	3600	A ² s	
	$T_{vj} = 125 \text{ °C}$	max. 1,6	V	
$V_{(TO)}$	$T_{vj} = 125 \text{ °C}$	max. 0,85	V	
	$T_{vj} = 125 \text{ °C}$	max. 5	mΩ	
r_T	$T_{vj} = 25 \text{ °C}$; $V_{DD} = V_{DRM}$; $V_{RD} = V_{RRM}$	max. 0,5	mA	
	$T_{vj} = 125 \text{ °C}$; $V_{RD} = V_{RRM}$	2	mA	
I_{RD}	$R_{th(j-c)}$	per diode	1	K/W
	$R_{th(c-s)}$	total	0,25	K/W
T_{vj}	$R_{th(c-s)}$	total	0,05	K/W
	T_{stg}		- 40 ... + 125	°C
V_{isol}	T_{vj}		- 40 ... + 125	°C
	M_s	a. c. 50 Hz; r.m.s.; 1 s / 1 min.	3600 (3000)	V
M_t	M_s	to heatsink	$5 \pm 15 \%$	Nm
	m	to terminals	$5 \pm 15 \%$	Nm
Case	m		165	g
			G 17	

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-34970699
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

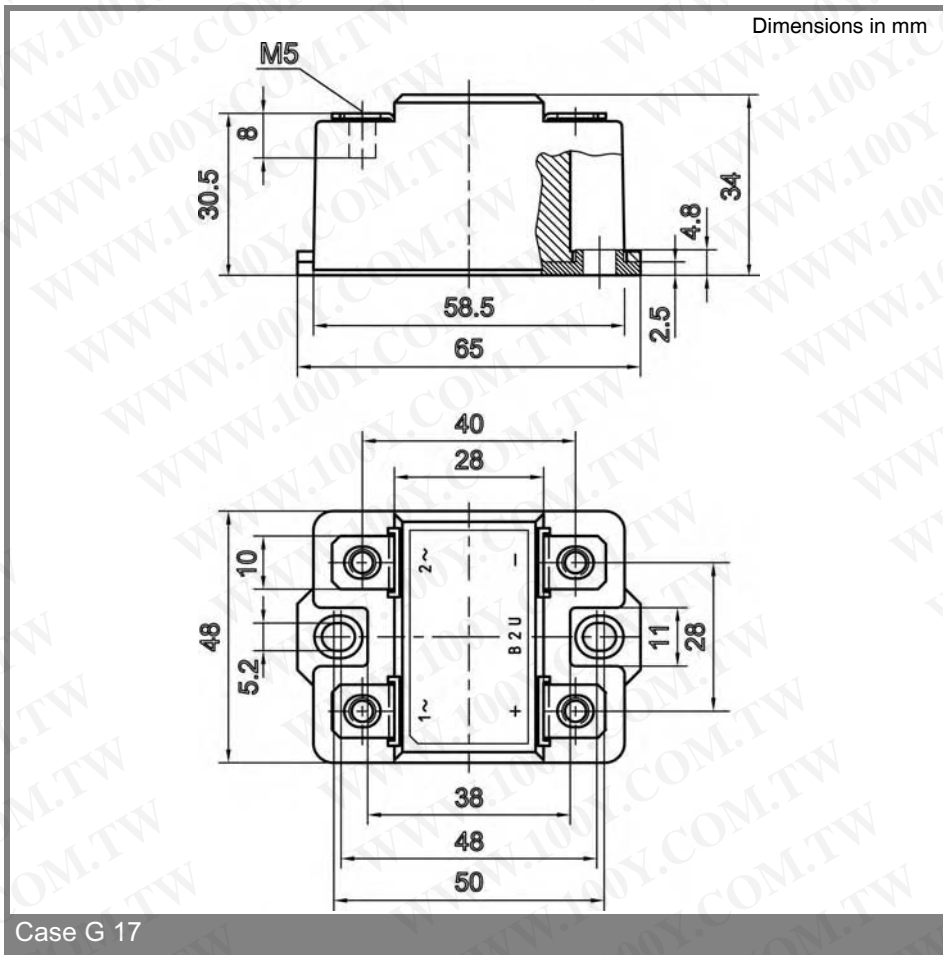


SKB



勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-34970699
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

SKB 60



This technical information specifies semiconductor devices but promises no characteristics. No warranty or guarantee expressed or implied is made regarding delivery, performance or suitability.

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-34970699
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)