

V <sub>(BR)</sub>	V <sub>RMS</sub>	$I_D = 30 \text{ A } (T_c = 94 ^{\circ}\text{C})$ Types	C <sub>máx</sub> µF	$R_{min} \Omega$
1700	500	SKBa 30/17		1

## Power Bridge Rectifiers

#### SKBa 30

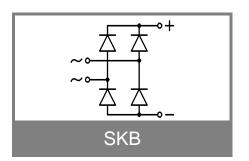
### **Features**

- Isolated metal case with screw terminals
- Avalanche characteristic
- High surge currents
- Easy chassis mounting
- UL recognized, file no. E 63 532

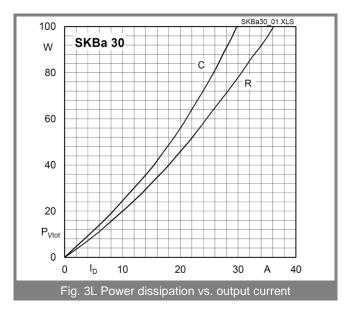
## **Typical Applications**

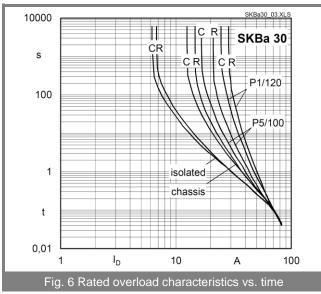
- Single phase rectifiers for power supplies
- Input rectifiers for variable frequency drives
- Rectifiers for DC motor field supplies
- Battery charger rectifiers
- Recommended snubber network:  $R_C$ : 0.1  $\mu$ F, 50  $\Omega$  ( $P_R$  = 1 W)
- Freely suspended or mounted on an insulator
- 2) Mounted on a painted metal sheet of min. 250 x 250 x 1 mm

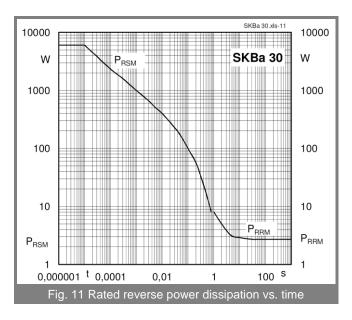
Symbol	Conditions	Values	Units
I <sub>D</sub>	$T_a = 45$ °C, isolated <sup>1)</sup> $T_a = 45$ °C, chassis <sup>2)</sup> $T_a = 45$ °C, isolated <sup>1)</sup> $T_a = 45$ °C, chassis <sup>2)</sup>	6,5 15 6 13	A A A
I <sub>FSM</sub> i <sup>2</sup> t P <sub>RSM</sub>	$\begin{split} T_{vj} &= 25 ^{\circ}\text{C} \text{ ; } 10 \text{ ms} \\ T_{vj} &= 150 ^{\circ}\text{C} \text{ ; } 10 \text{ ms} \\ T_{vj} &= 25 ^{\circ}\text{C} \text{ ; } 8,3 \dots 10 \text{ ms} \\ T_{vj} &= 150 ^{\circ}\text{C} \text{ ; } 8,3 \dots 10 \text{ ms} \\ t_p &= 10  \mu\text{s} \end{split}$	370 320 680 500 6	A A A <sup>2</sup> s A <sup>2</sup> s kW
$\begin{array}{c} V_F \\ V_{(TO)} \\ r_T \\ I_{RD} \\ I_{RD} \\ t_{rr} \\ f_G \end{array}$	$\begin{split} T_{vj} &= 25 ^{o}\text{C}, \ I_{F} = 150 \text{ A} \\ T_{vj} &= 150 ^{o}\text{C} \\ T_{vj} &= 150 ^{o}\text{C} \\ T_{vj} &= 25 ^{o}\text{C}  ; \ V_{RD} = V_{RRM} \\ T_{vj} &= 150 ^{o}\text{C}  ; \ V_{RD} = V_{RRM} \\ T_{vj} &= 25 ^{o}\text{C} \end{split}$	max. 2,2 max. 0,85 max. 12 300 5 typ. 25 2000	VV mΩ μA mA μs Hz
$R_{th(j\text{-}c)}$ $R_{th(j\text{-}c)}$ $R_{th(c\text{-}s)}$ $T_{vj}$ $T_{stg}$	isolated <sup>1)</sup> chassis <sup>2)</sup> total total	8,5 3,3 0,7 0,1 -40 +150 -55 +150	KW KW KW °C °C
V <sub>isol</sub> M <sub>s</sub> M <sub>t</sub> A	a. c. 50 60 Hz; r.m.s.; 1 s / 1 min. to heatsink SI units to terminals SI units approx.	3000 / 2500 5 ± 15 % 1,5 ± 15 %	V~ Nm Nm m/s² g
Case		G 12	

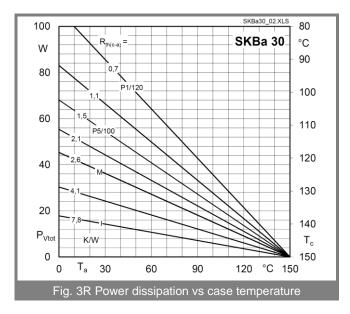


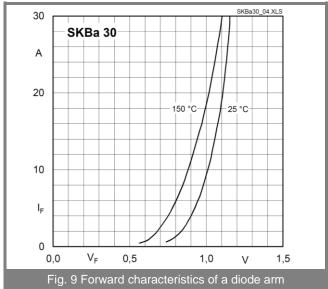
# SKBa 30



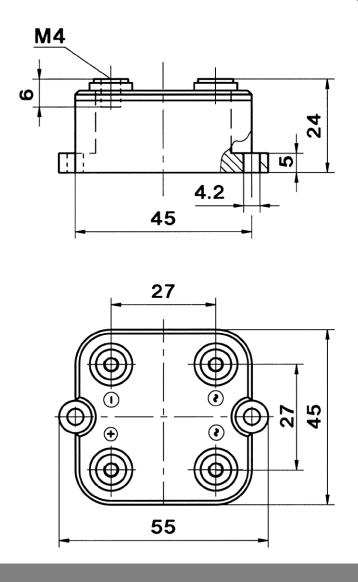








Dimensions in millimeters



Case G12

## \*IMPORTANT INFORMATION AND WARNINGS

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