

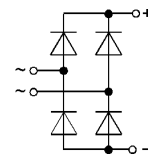
$V_{RSM}$ $V_{RRM}$ V	$V_{VRMS}$ V	$I_D$ ( $T_{amb} = 45\text{ °C}$ ) 2 A
800	250	<b>MSK B 250/220-1,5</b>
$V_{(BR)min}$ V	$V_{VRMS}$ V	<b>Avalanche Types</b>
1300 1700	500 660	<b>MSKa B 500/445-1,5</b> <b>MSKa B 660/585-1,5</b>

**Miniature Bridge Rectifiers**

**MSK B . . . / . . -1,5**  
**MSKa B . . . / . . -1,5**



Symbol	Conditions	MSK... MSKa...
$I_D$	$T_{amb} = 45\text{ °C}$ ; isolated <sup>1)</sup> chassis <sup>2)</sup>	2 A 2 A
$I_{FSM}$	$T_{vj} = 25\text{ °C}$ , 10 ms $T_{vj} = 150\text{ °C}$ , 10 ms	58 A 50 A
$i^2t$	$T_{vj} = 25\text{ °C}$ , 8,3...10 ms $T_{vj} = 150\text{ °C}$ , 8,3...10 ms	17 A <sup>2</sup> s 12,5 A <sup>2</sup> s
$P_{RSM}$	$t_p = 10\text{ }\mu\text{s}$ ; avalanche types	1000 W
$V_F$	$T_{vj} = 25\text{ °C}$ , $I_F = 10\text{ A}$	1,65 V
$V_{(TO)}$	$T_{vj} = 150\text{ °C}$	0,85 V
$r_T$	$T_{vj} = 150\text{ °C}$	100 m $\Omega$
$I_{RD}$	$T_{vj} = 25\text{ °C}$ ; $V_{RD} = V_{RRM}$ $V_{RD} = V_{(BR)min}$	5 $\mu\text{A}$ 5 $\mu\text{A}$
$t_{rr}$	$T_{vj} = 150\text{ °C}$ ; $V_{RD} = V_{RRM}$ $T_{vj} = 25\text{ °C}$	0,6 mA -
$f_G$		2000 Hz
$R_{thja}$		23 °C/W
$T_{vj}$		- 40...+150 °C
$T_{stg}$		- 55...+150 °C
RC	$P_R = 1\text{ W}$	10 nF + 20...50 $\Omega$
$F_u$		2 A
w		25 g
Case		G 7



**Features**

- Plastic case with screw terminals
- High blocking voltage
- MSA with avalanche characteristics

**Typical Applications**

- Internal power supplies for electronic equipment
- DC power supplies
- Control equipment
- Avalanche types for inductive loads:  
Solenoids,  
Motor brakes

<sup>1)</sup> Freely suspended or mounted on an insulator  
<sup>2)</sup> Mounted on a painted metal sheet of min. 250 x 250 x 1 mm

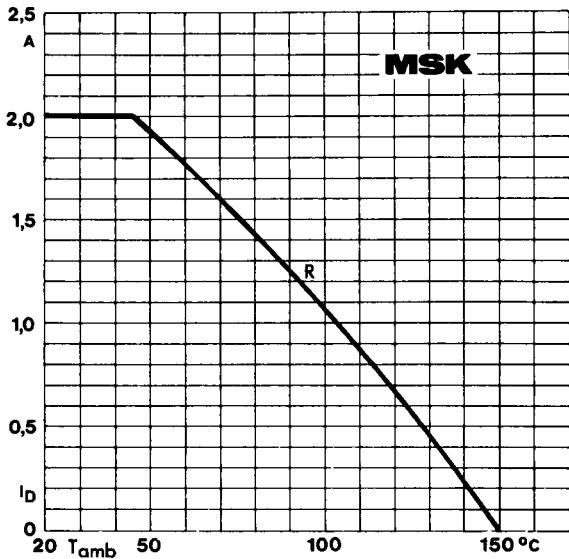


Fig. 1 Rated output current vs. ambient temperature

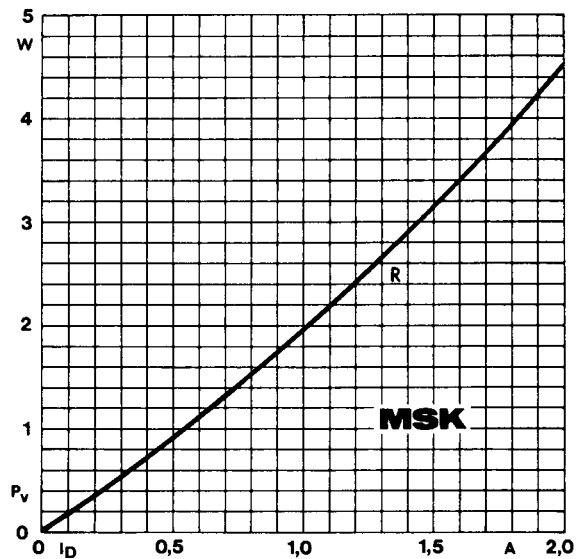


Fig. 2 Power dissipation vs. output current

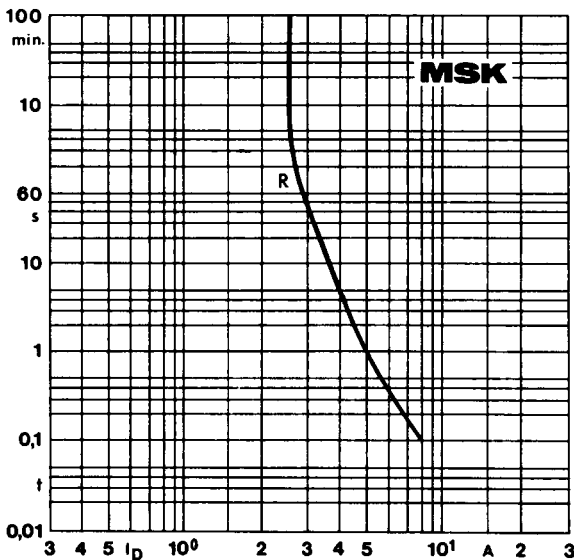


Fig. 6 Rated overload current vs. time

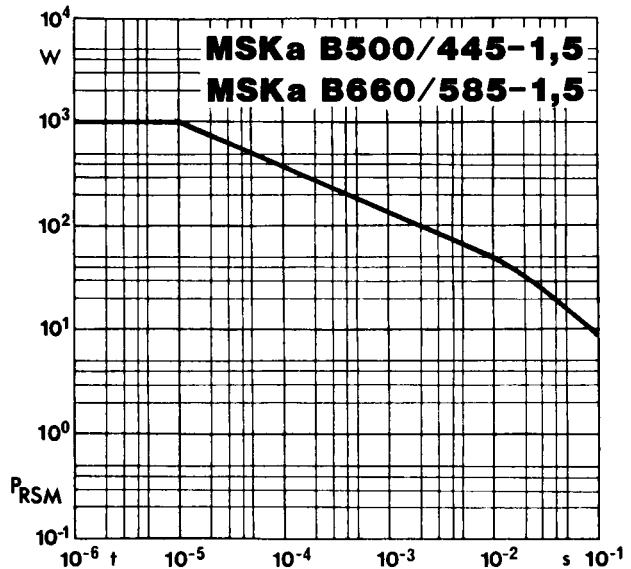


Fig. 7 Rated reverse power dissipation vs. time

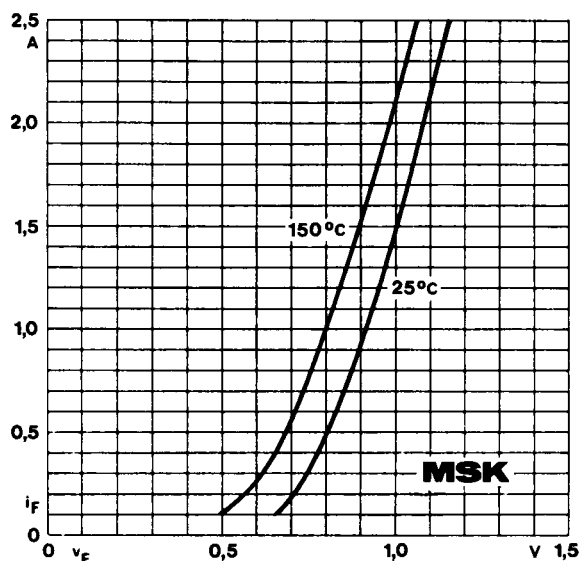


Fig. 9 Forward characteristics of a single diode

