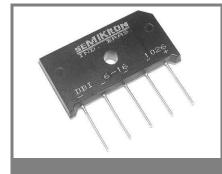
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Power Bridge Rectifiers

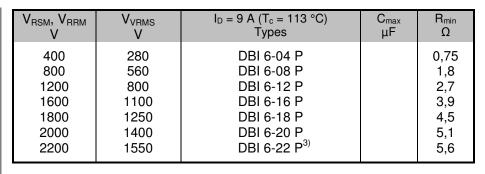
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Features

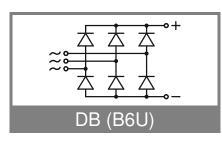
- Compact plastic package with in-line wire leads
- Ideal for printed circuit boards
- Allow easy heatsink mounting
- Solder temperature: 260°C max. (max. 5 s)
- Blocking voltage up to 2200 V
- High surge current
- UL 94V-0 classified
- Standard packing: 54 pieces box

Typical Applications*

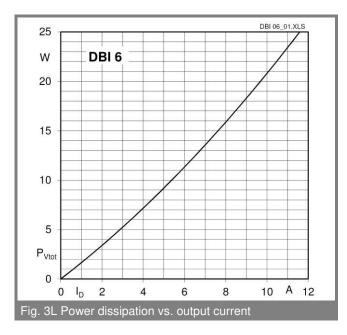
- 3 phase rectifier for power supplies
- Input rectifier for variable frequency drives
- Rectifier for DC motor field supplies
- Battery charger rectifiers
- . Recommended snubber network: RC: 10 nF, 20...50 Ω (P_R = 1 W)
- Mounted on a 50 x 75 mm p.c.b. 1)
- Mounted on a painted metal sheet of min. 2) 250 x 250 x 1 mm Available on limited quantities.
- 3)

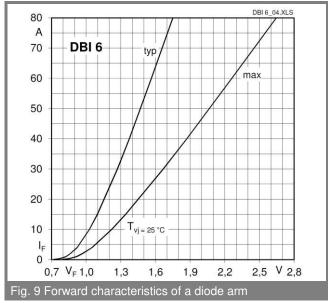


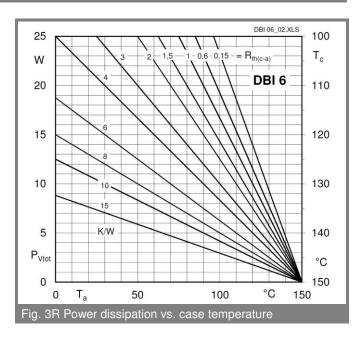
Symbol	Conditions	Values	Units
I _D I _{DCL}	$\begin{array}{l} T_a = 60 \ ^\circ C, \ P5A/100, \ natural \ cooling \\ T_a = 58 \ ^\circ C, \ chassis^{2)} \\ T_a = 52 \ ^\circ C, \ P5A/100, \ natural \ cooling \\ T_a = 58 \ ^\circ C, \ chassis^{2)} \\ T_a = 45 \ ^\circ C, \ isolated^{1)} \end{array}$	12 9 12 9 2,9	A A A A
I _{FSM} i ² t	$\begin{array}{l} T_{vi} = 25 \ ^{\circ}\text{C}, \ 10 \ \text{ms} \\ T_{vi} = 150 \ ^{\circ}\text{C}, \ 10 \ \text{ms} \\ T_{vi} = 25 \ ^{\circ}\text{C}, \ 8,3 \ \dots \ 10 \ \text{ms} \\ T_{vi} = 150 \ ^{\circ}\text{C}, \ 8,3 \ \dots \ 10 \ \text{ms} \end{array}$	200 165 200 136	$ \begin{array}{c} A \\ A \\ A^2 s \\ A^2 s \\ A^2 s \end{array} $
$V_{F} \\ V_{(TO)} \\ r_{T} \\ I_{RD} \\ I_{RD} \\ t_{rr} \\ f_{G}$	$\begin{array}{l} T_{vi} = 25^{\circ}C, \ I_{F} = 80 \ A \\ T_{vj} = 150^{\circ}C \\ T_{vj} = 150^{\circ}C \\ T_{vj} = 25^{\circ}C, \ V_{RD} = V_{RRM} \\ T_{vj} = ^{\circ}C, \ V_{RD} = V_{RRM} \geq V \\ T_{vj} = 150^{\circ}C, \ V_{RD} = V_{RRM} \\ T_{vi} = ^{\circ}C, \ V_{RD} = V_{RRM} \geq V \\ T_{vj} = 25^{\circ}C \end{array}$	max. 2,65 max. 0,8 max. 24 50 5 10 2000	V V μA μA mA mA Hz
$\begin{array}{c} R_{th(j-a)} \\ R_{th(i-c)} \\ R_{th(c-s)} \\ T_{vi} \\ T_{stg} \end{array}$	isolated ¹⁾ chassis ²⁾ total (from chips to bridge back side) total	21 5 2 0,15 -40+150 -55+150	K/W K/W K/W ¢C ¢C
V _{isol} M _s M _t a w	a.c. 5060 Hz; r.m.s.; 1s / 1 min. torque for mounting (M4 screw) approx.	3000 / 2500 2 ± 15% 12,5	V~ Nm M/s ² g
Fu			А
Case	40 x 21,5 x 6,4 mm plus 20 mm leads	DBI P	



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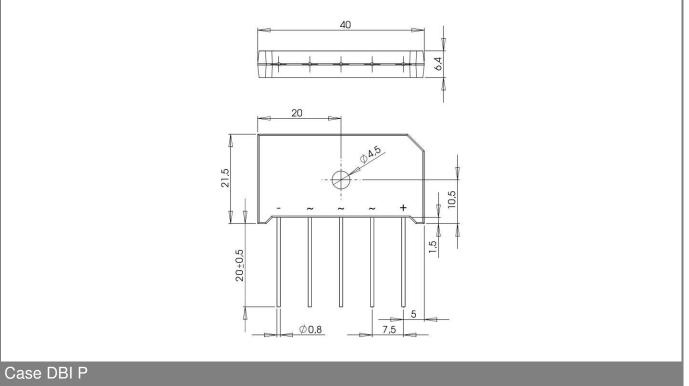






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Dimensions in mm



*IMPORTANT INFORMATION AND WARNINGS

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