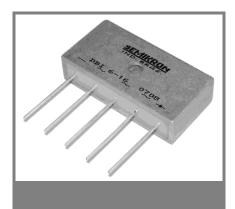
DBI 6



V_{RSM}, V_{RRM}	V _{VRMS} 3)	I _D = 9 A (T _c = 90 °C) Types	C _{max} µF	$R_{min} \Omega$
400	280	DBI 6-04		0,75
800	560	DBI 6-08		1,8
1200	800	DBI 6-12		2,7
1400	900	DBI 6-14		3,1
1600	1000	DBI 6-16		3,6
1800	1250	DBI 6-18		4,5

Power Bridge Rectifiers

DBI 6

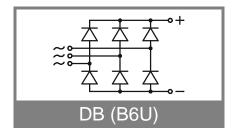
Features

- Isolated metal case 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 1800 V
- High surge current
- Standard packing: 54 pieces box

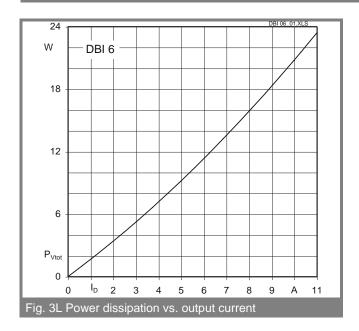
Typical Applications*

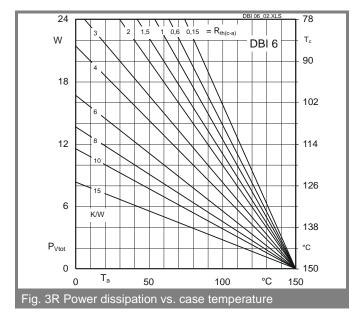
- 3 phase rectifier for power supplies
- Input rectifier for variable frequency drives
- Rectifier for DC motor field supplies
- Battery charger rectifiers
- Recommended snubber network:
 RC: 0,1 μF, 20...50 Ω (P_R = 1 W)
- Mounted on a 50 x 75 mm p.c.b.
- 2) Mounted on a painted metal sheet of min. 250 x 250 x 1 mm
- 3) Recommended V_{VRMS} values: $V_{VRMS} = V_{RRM} / 2,83$

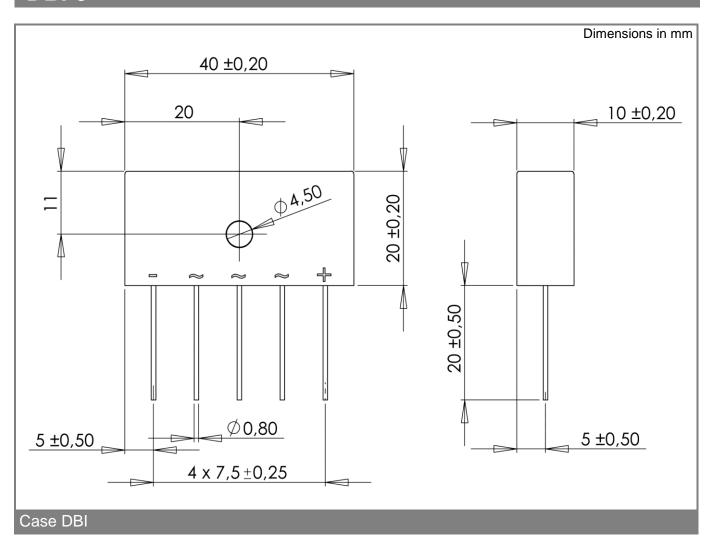
Symbol	Conditions	Values	Units
I _D	T_a = 50 °C, P5A/100, natural cooling T_a = 45 °C, chassis ²⁾ T_a = 50 °C, P5A/100, natural cooling T_a = 45 °C, chassis ²⁾ T_a = 50 °C, isolated ¹⁾	9 8 9 8 2,5	A A A A
I _{FSM}	T_{vi} = 25 °C, 10 ms T_{vj} = 150 °C, 10 ms T_{vj} = 25 °C, 8,3 10 ms T_{vi} = 150 °C, 8,3 10 ms	180 150 162 113	A A^2 s A^2 s
$\begin{array}{c} V_F \\ V_{(TO)} \\ r_T \\ I_{RD} \\ I_{RD} \\ t_{rr} \\ f_G \end{array}$	$\begin{split} T_{vi} &= 25^{\circ}\text{C}, \ I_{F} = 10 \ \text{A} \\ T_{vi} &= 150^{\circ}\text{C} \\ T_{vj} &= 150^{\circ}\text{C} \\ T_{vi} &= 25^{\circ}\text{C}, \ V_{RD} = V_{RRM} \\ T_{vi} &= 150^{\circ}\text{C}, \ V_{RD} = V_{RRM} \\ T_{vj} &= 25^{\circ}\text{C} \end{split}$	max. 1,2 max. 0,85 max. 30 50 5 10 2000	V V mΩ μA mA μs Hz
$R_{th(j-a)}$ $R_{th(i-c)}$ $R_{th(c-s)}$ T_{vj} T_{stq}	isolated ¹⁾ chassis ²⁾ total (from chips to bridge back side) total	22 6 3 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 heatsink mounting (M4 screw)	3000 / 2500 2 ± 15% 21	V~ Nm Nm m/s²
Fu			Α
Case	40 x 20 x 10 mm plus 20 mm leads	DBI	



DBI 6







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