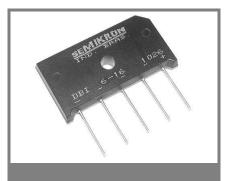
DBI 6 P



V_{RSM}, V_{RRM}	V _{VRMS}	I _D = 9 A (T _c = 113 °C) Types	C _{max} μF	$R_{min} \Omega$
400	280	DBI 6-04 P		0,75
800	560	DBI 6-08 P		1,8
1200	800	DBI 6-12 P		2,7
1600	1100	DBI 6-16 P		3,9
1800	1250	DBI 6-18 P		4,5
2000	1400	DBI 6-20 P		5,1
2200	1550	DBI 6-22 P ³⁾		5,6

Power Bridge Rectifiers

DBI 6 P

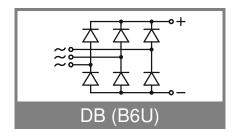
Features

- 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

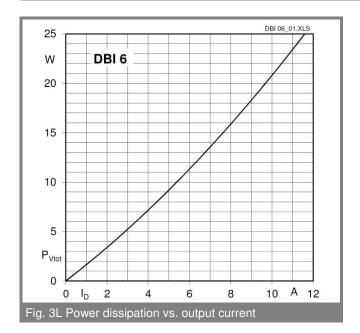
Typical Applications*

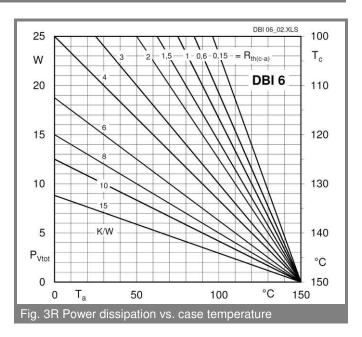
- 3 phase rectifier for power supplies
- Input rectifier for variable frequency drives
- Rectifier for DC motor field supplies
- Battery charger rectifiers
- Recommended snubber network: RC: 10 nF, 20...50 Ω (P_R = 1 W)
- Mounted on a 50 x 75 mm p.c.b. Mounted on a painted metal sheet of min. 250 x 250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

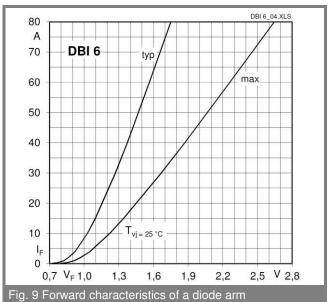
Symbol	Conditions	Values	Units
I _D	T_a = 60 °C, P5A/100, natural cooling T_a = 58 °C, chassis ²⁾ T_a = 52 °C, P5A/100, natural cooling T_a = 58 °C, chassis ²⁾ T_a = 45 °C, isolated ¹⁾	12 9 12 9 2,9	A A A A
I _{FSM}	$\begin{split} T_{vj} &= 25 \text{ °C, } 10 \text{ ms} \\ T_{vj} &= 150 \text{ °C, } 10 \text{ ms} \\ T_{vi} &= 25 \text{ °C, } 8,3 \dots 10 \text{ ms} \\ T_{vj} &= 150 \text{ °C, } 8,3 \dots 10 \text{ ms} \end{split}$	200 165 200 136	A A^2 s A^2 s
V_{F} $V_{(TO)}$ r_{T} I_{RD} I_{RD} t_{rr} f_{G}	$\begin{split} T_{vi} &= 25^{\circ}C, \ I_F = 80 \ A \\ T_{vj} &= 150^{\circ}C \\ T_{vj} &= 150^{\circ}C \\ T_{vj} &= 25^{\circ}C, \ V_{RD} = V_{RRM} \\ T_{vi} &= ^{\circ}C, \ V_{RD} = V_{RRM} \geq V \\ T_{vj} &= 150^{\circ}C, \ V_{RD} = V_{RRM} \\ T_{vi} &= ^{\circ}C, \ V_{RD} = V_{RRM} \geq V \\ T_{vj} &= 25^{\circ}C \end{split}$	max. 2,65 max. 0,8 max. 24 50 5 10 2000	V V MΩ μΑ μΑ mA MA Hz
$R_{th(j\text{-}a)}$ $R_{th(i\text{-}c)}$ $R_{th(c\text{-}s)}$ T_{vi} T_{stg}	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 Nm m/s ²
Fu			Α
Case	40 x 21,5 x 6,4 mm plus 20 mm leads	DBI P	

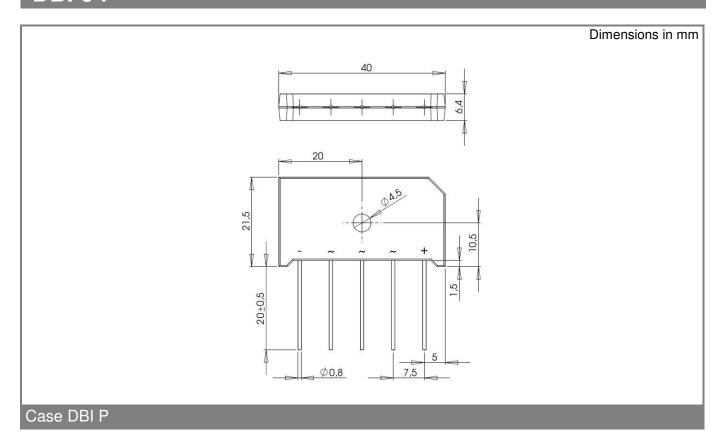


DBI 6 P









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