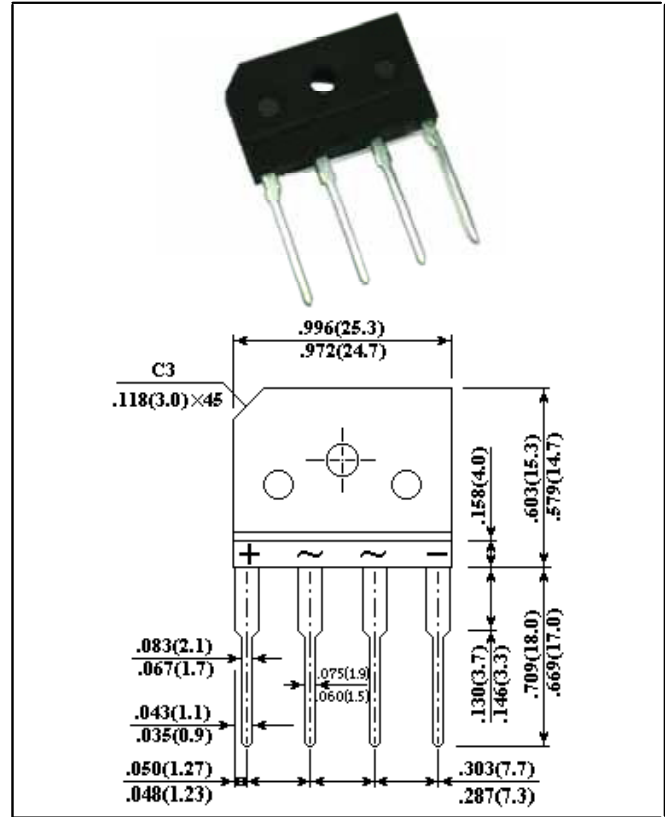


## D4SB10(KBJ601G) Thru D4SB100(KBJ610G)

### FEATURES

- Plastic Package has Underwriters Laboratory Flammability Classification 94V-0
- This series is UL listed under the Recognized Component index, file number E231047
- Single-in-line package
- High current capacity with small package
- Superior thermal conductivity
- High temperature soldering guaranteed:  
260°C/10 seconds
- High  $I_{FSM}$



Maximum Ratings & Thermal Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

| Parameter Symbol   | Symbol    | D4SB10    | D4SB20  | D4SB40  | D4SB60  | D4SB80  | D4SB100 | Unit       |
|--|-----------|-----------|---------|---------|---------|---------|---------|------------|
|  |           | KBJ601G   | KBJ602G | KBJ604G | KBJ606G | KBJ608G | KBJ610G |            |
| Maximum repetitive voltage   | $V_{RM}$  | 100       | 200     | 400     | 600     | 800     | 1000    | V          |
| Maximum DC reverse current<br>at rated DC blocking voltage   | $I_R$     | 10<br>500 |         |         |         |         |         | $\mu A$    |
| Average rectified forward current 60Hz Sine wave<br>Resistance load with heat sink $T_c=100^\circ C$ | $I_o$     | 6         |         |         |         |         |         | A          |
| Peak forward surge current 8.3ms single half sine-wave<br>superimposed on rated load                 | $I_{FSM}$ | 120       |         |         |         |         |         | A          |
| Dielectric strength Terminals to case,<br>AC 1 minute Current 1mA                                    | $V_{dia}$ | 2.5       |         |         |         |         |         | KV         |
| Maximum instantaneous forward voltage at 3A  | $V_F$     | 1.1       |         |         |         |         |         | V          |
| Operating junction temperature   | $T_J$     | 150       |         |         |         |         |         | $^\circ C$ |
| Storage temperature  | $T_{stg}$ | -40~150   |         |         |         |         |         | $^\circ C$ |