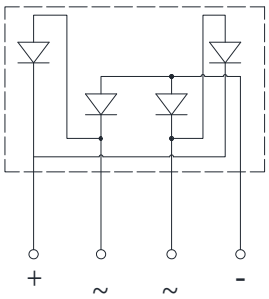
RoHS
COMPLIANT




- UL recognition, file #E230084
- Glass passivated chip junction
- Thin single in-line package
- High surge current capability
- Solder dip 275 °C max. 7 s, per JESD 22-B106

General purpose use in AC/DC bridge full wave rectification for switching power supply, home appliances, office equipment, industrial automation applications.

- : 6KBJ
  Molding compound meets UL 94 V-0 f p. Q A ű ng compoŴ
- : Tin plated leads, solderable per J-STD-002 and JESD22-B102
- As marked on body

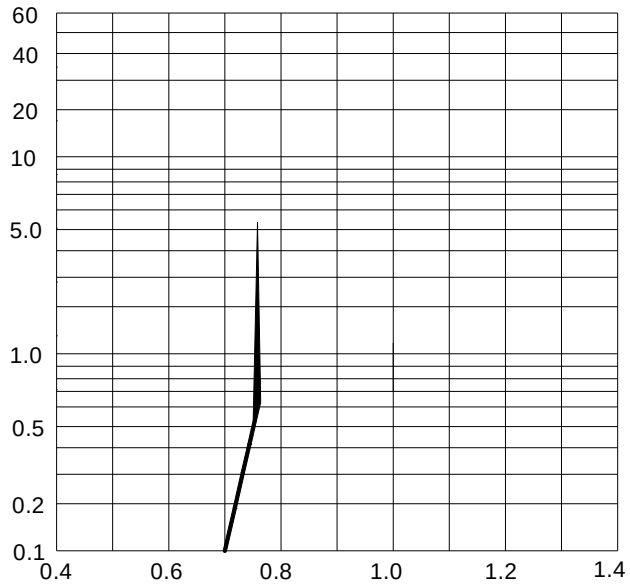
■ (Ta=25 Unless otherwise specified

| | | | | |
|---|---|---|---|---|
| Device marking code | | | | GBJL2506S |
| Maximum Repetitive Peak Reverse Voltage | | $V_{RRM}$ | V | 600 |
| Maximum RMS Voltage | | $V_{RMS}$ | V | 420 |
| Maximum DC blocking Voltage | | $V_{DC}$ | V | 600 |
| Average rectified output current @60Hz sine wave, R-load | With heatsink Tc =105 ł | $I_O$ | A | 25.0 |
| | Without heatsink Ta =25 ł | | | 3.5 |
| Forward Surge Current (Non-repetitive) @60Hz Half-sine wave,1 cycle, Tj=25 ł | | $I_{FSM}$ | A | 400 |
| Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25 ł | | | | 800 |
| Current squared time @1ms≤t≤8.3ms Tj=25 ł , Rating of per diode | | $I^2t$ | $A^2S$ | 664 |
| Storage temperature | | $T_{stg}$ | ł | -55 ~ +150 |
| JunctJunct | | | | |
| Dielectric strength @ Terminals to case, AC 1 minute | | Vdis | KV | 2.5 |
| Mounting torque @Recommend torque 5kg cm | | Tor | kg cm | 8 |

■ $T_a$=25 Unless otherwise specified

| | | | | |
|---|---|---|---|---|
| | | | | |

Maximum instantaneous forward voltage drop per diode =
$T_a$=25 Unless otherwise specified ' y U t Õ

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| Dim | Min | Max |
|---|---|---|
| A | 29.7 | 30.3 |
| B | 19.7 | 20.3 |
| C | 17.0 | 18.0 |
| D | 4.8 | 5.8 |
| E | 3.8 | 4.2 |
| F | 7.3 | 7.7 |
| G | 9.8 | 10.2 |
| H | 0.9 | 1.1 |
| I | 2.0 | 2.4 |
| J | 2.3 | 2.7 |
| K | 3.4 | 3.8 |
| L | 4.4 | 4.8 |
| M | 10.8 | 11.2 |
| N | 3.1 | 3.7 |
| O | 3.1 | 3.4 |
| P | 0.6 | 0.8 |

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The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or o ʻ wict equar ز = ᵐ Meliabiiity ï n