



**Maximum Ratings** ( $T_a=25$  Unless otherwise specified)

|  |                                |        | 50         | 100  | 200 | 400 | 600 | 800 | 1000 |
|--|--------------------------------|--------|------------|------|-----|-----|-----|-----|------|
|  | $V_{RRM}$                      | V      | 50         | 100  | 200 | 400 | 600 | 800 | 1000 |
| Maximum RMS Voltage  | $V_{RMS}$                      | V      | 35         | +0   | 140 | 280 | 420 | 560 | +00  |
| Maximum DC blocking Voltage  | $V_{DC}$                       | V      | 50         | 100  | 200 | 400 | 600 | 800 | 1000 |
| Average rectified output current<br>@ 60Hz sine wave, R-load                         | With heatsink<br>$T_c = 100$   | $I_O$  | A          | 15.0 |     |     |     |     |      |
|  | Without heatsink<br>$T_a = 25$ |        |            | 3.2  |     |     |     |     |      |
| Forward Surge Current (Non-repetitive)<br>@ 60Hz Half-sine wave, 1 cycle, $T_j = 25$ | IFSM                           | A      | 250        |      |     |     |     |     |      |
| Forward Surge Current (Non-repetitive)<br>@ 1ms, square wave, 1 cycle, $T_j = 25$    |                                |        | 500        |      |     |     |     |     |      |
| Current squared time<br>@ 1ms to 8.3ms $T_j = 25$ , Rating of per diode              | $I^2t$                         | $A^2S$ | 260        |      |     |     |     |     |      |
| Storage temperature  | $T_{stg}$                      |        | -55 ~ +150 |      |     |     |     |     |      |
| Junction temperature   | $T_j$                          |        | -55 ~ +150 |      |     |     |     |     |      |
| Dielectric strength<br>@ Terminals to case, AC 1 minute                              | $V_{dis}$                      | KV     | 2.5        |      |     |     |     |     |      |
| Mounting torque<br>@ Recommend torque 5kg cm   | Tor                            | kg cm  | 8          |      |     |     |     |     |      |



# GBU15005A THRU GBU1510A

---

Electrical Characteristics     $T_a P$                       5p    h



**Outline Dimensions**

| <b>GBU</b> |       |       |
|------------|-------|-------|
| Dim        | Min   | Max   |
| A          | 21.80 | 22.30 |
| B          | 18.30 | 18.80 |
| C          |       |       |



## GBU15005A THRU GBU1510A

---

### Disclaimer

The information presented in this document is for reference only. Yangzhou Yangjie Electronic Technology Co., Ltd. reserves the right to make changes without notice for the specification of the products displayed herein to improve reliability, function or design or otherwise.

The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to to- t e