

GBJ1006U

GLASS PASSIVATED REVERSE VOLTAGE 600 Volts -FORWARD CURRENT 10 Amperes -**BRIDGE RECTIFIERS** GBJ **FEATURES** ●Rating to 600V PRV Ø.134(3.4) Ideal for printed circuit board Ø.122(3.1) 189(4.8) .173(4.4) .150(3.8) 1.193(30.3) Low forward voltage drop, high current capability 1.169(29.7) .134(3.4) Reliable low cost construction utilizing molded plastic technique results in inexpensive product $\frac{134(3.4)}{122(3.1)}$ 118(3.0)^{*}45° 800(20.3) .<u>198</u> MAX .776(19.7) The plastic material has UL flammability .441(11.2) .425(10.8) classification 94V-0 ł ØØ + .106(2.7) .096(2.3) 165(4.2) 142(3.6) 708(18.0) 6 669(17.0) .094(2.4) .098(2.5) .078(2.0) .043(1.1) .035(0.9) .031(0.8) .402(10.2) .303(7.7).303(7.7) SPACING .023(0.6) .386(9.8) .287(7.3).287(7.3) Dimensions in inches and (milimeters) MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave ,60Hz, resistive or inductive load.

For capacitive load, derate current by 20%

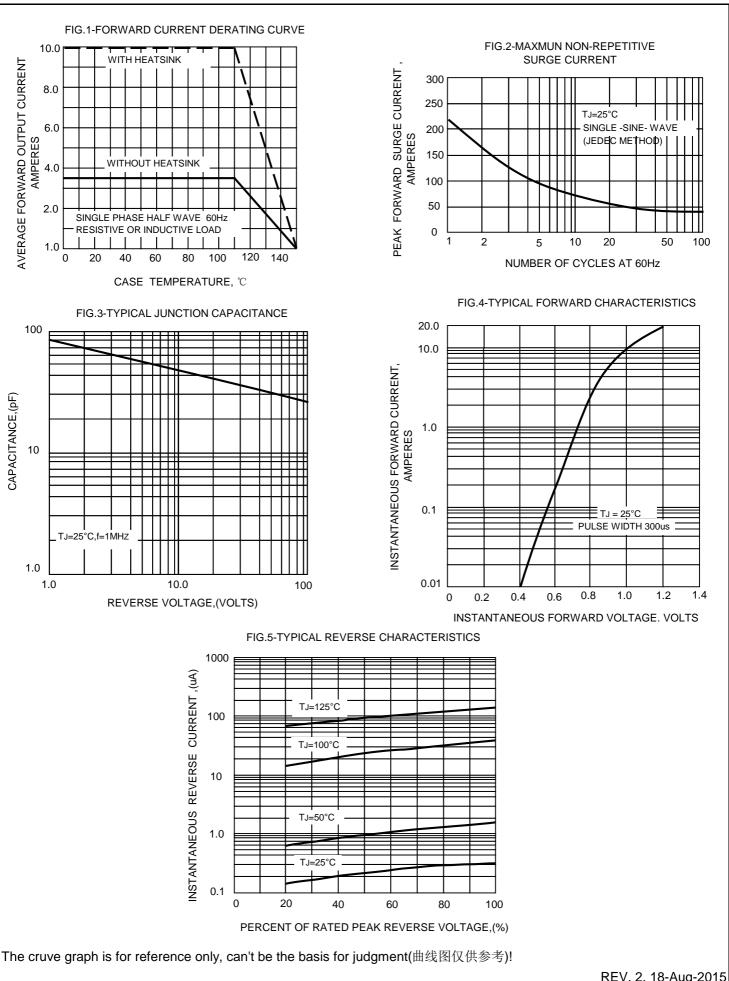
| CHARACTERISTICS | SYMBOL | GBJ1006U | UNIT |
|---|------------------|-------------|------------------|
| Maximum Recurrent Peak Reverse Voltage | Vrrm | 600 | V |
| Maximum RMS Voltage | Vrms | 420 | V |
| Maximum DC Blocking Voltage | VDC | 600 | V |
| Maximum Average Forward (with heatsink Note 2) Rectified Current @ Tc=110°C (without heatsink) | l(AV) | 10.0 3.5 | A |
| Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method) | IFSM | 220 | A |
| Typical Forward Voltage at 5.0A DC | Vf | 0.89 | V |
| Maximum Forward Voltage at 5.0A DC | Vf | 0.9 | V |
| Maximum DC Reverse Current@ TJ=25℃at Rated DC Blocking Voltage@ TJ=125℃ | IR | 10.0 120 | μΑ |
| I ² t Rating for Fusing (t<8.3ms) | l ² t | 200 | A ² s |
| Typical Junction Capacitance Per Element (Note1) | CJ | 55 | pF |
| Typical Thermal Resistance | Rejc | 1.4 | °C/W |
| Operating Temperature Range | TJ | -55 to +150 | ്റ |
| Storage Temperature Range | Тѕтс | -55 to +150 | °C |

NOTES: 1.Measured at 1.0MHz and applied reverse voltage of 4.0V DC.

2. Device mounted on 150mm*150mm*1.6mm Cu plate heatsink.

3.The typical data above is for reference only(典型值仅供参考).

RATING AND CHARACTERTIC CURVES GBJ1006U



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