

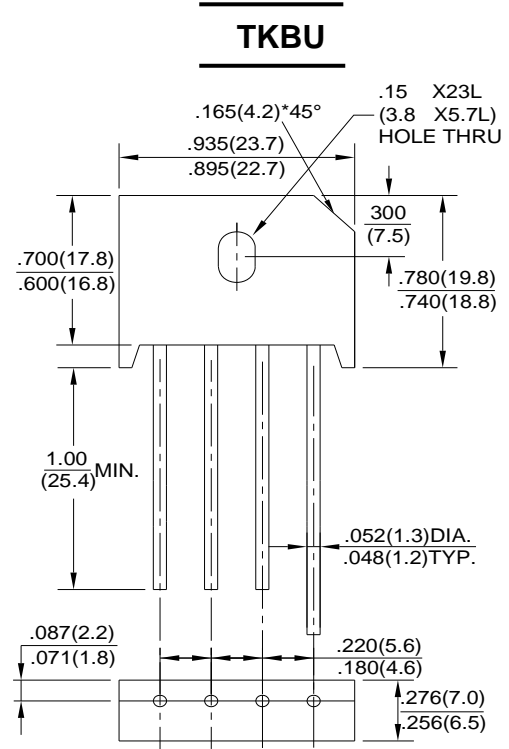
**GLASS PASSIVATED
BRIDGE RECTIFIERS**

REVERSE VOLTAGE - **50 to 1000** Volts
FORWARD CURRENT - **8.0** Ampere

Features

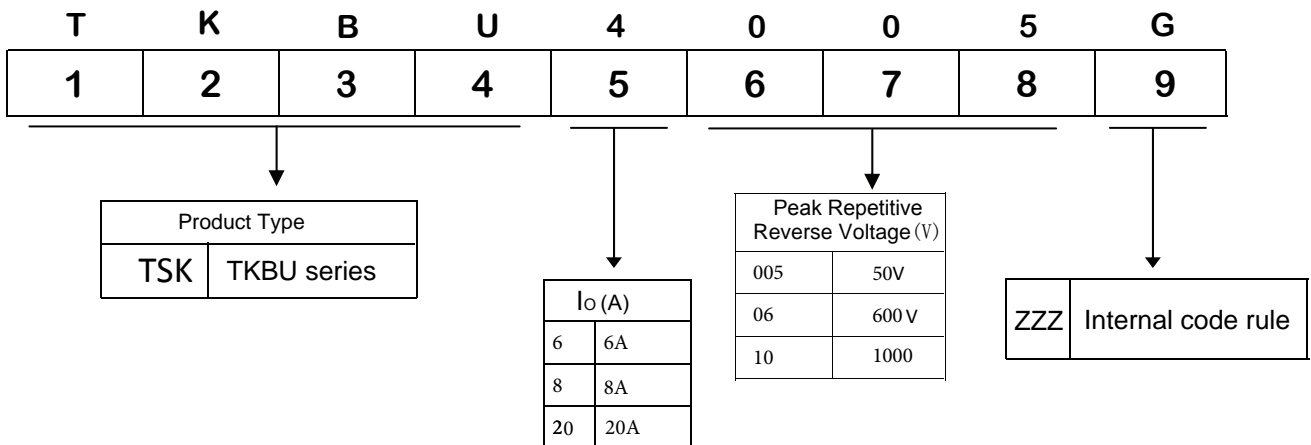
- Surge overload rating -175 amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- Plastic material has UL
- Mounting position:Any
- Mounting torque:5 In.lb.Max

Dimensions In Inches and (millimeters)



Dimensions in inches and (millimeters)

Part Number Code



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 | TKBU 8005G | TKBU 801G | TKBU 802G | TKBU 804G | TKBU 806G | TKBU 808G | TKBU 810G | UNIT |
|---|--------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|------|
| Maximum Recurrent Peak Reverse Voltage | VRRM | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | V |
| Maximum RMS Voltage | VRMS | 35 | 70 | 140 | 280 | 420 | 560 | 700 | V |
| Maximum DC Blocking Voltage | VDC | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | V |
| Maximum Average Forward Rectified Output Current at Tc=100°C | I(AV) | 8.0 | | | | | | | A |
| Peak Forward Surge Current 8.3ms single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method) | IFSM | 175 | | | | | | | A |
| Maximum Instantaneous Forward Voltage Drop per Element at 4.0A | VF | 1.1 | | | | | | | V |
| Maximum Reverse Leakage at rated Tj=25°C DC Blocking Voltage Per Element Tj=100°C | IR | 10 100 | | | | | | | µA |
| Typical Junction Capacitance Per Element (Note1) | CJ | 250 | | | | | | | pF |
| Operating Temperature Range | TJ | -55 to +150 | | | | | | | °C |
| Storage Temperature Range | TSTG | -55 to +150 | | | | | | | °C |

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

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

RATING AND CHARACTERISTIC CURVES

FIG.1-DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

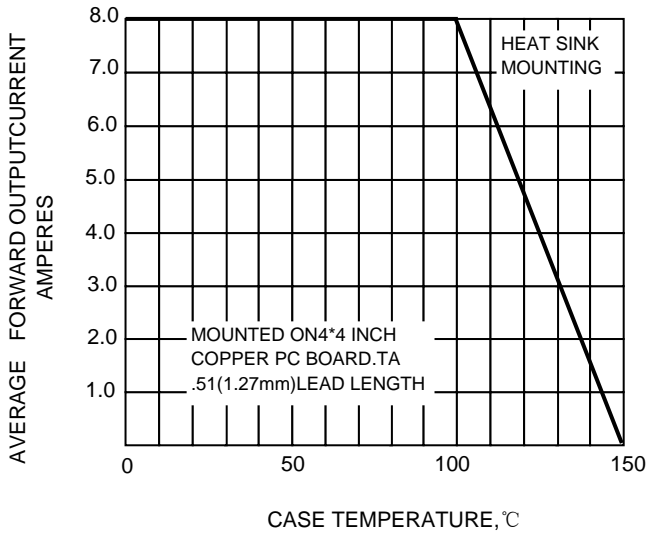


FIG.2 TYPICAL INSTANTANEOUS FORWARD CHARACTERISTIC

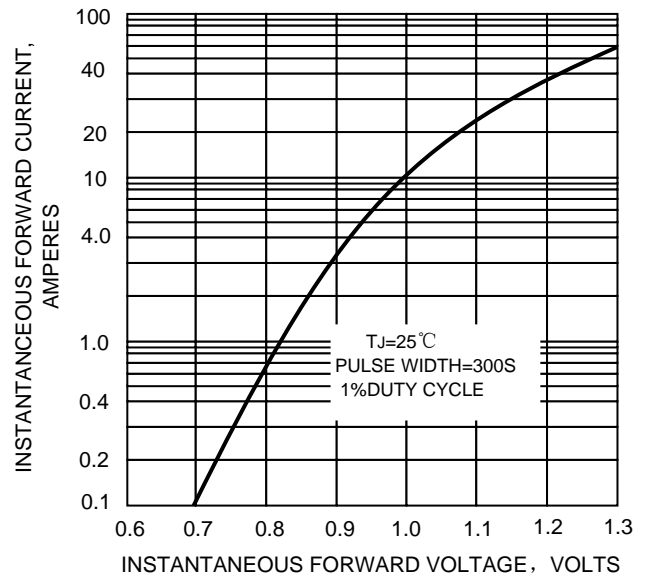


FIG.3-MAXIMUM NON-RETETITIVE PEAK FORWARD SURGE CURRENT

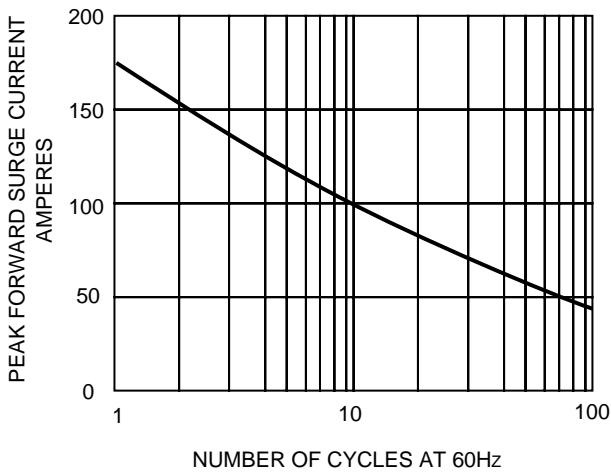


FIG.4-TYPICAL REVERSE CHARACTERISTICS

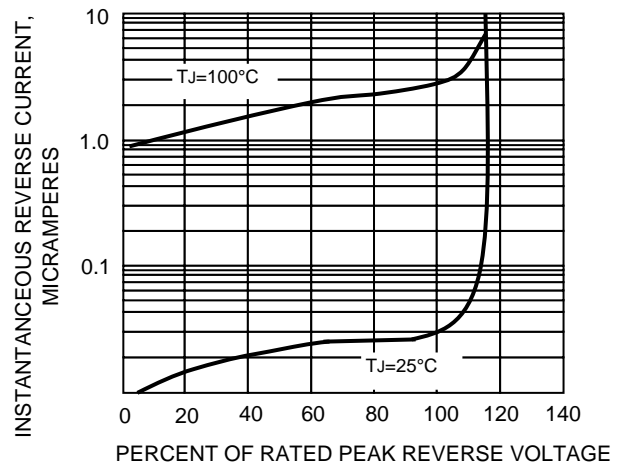


FIG.5-TYPICAL JUNCTION CAPACITANCE PER ELEMENT

