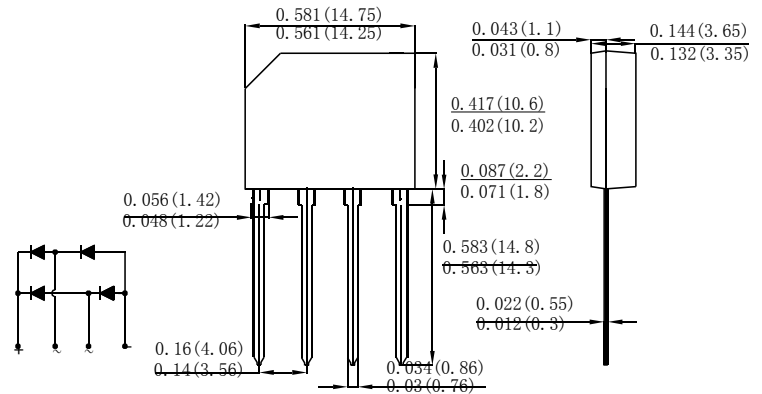


**VOLTAGE RANGE: 50 --- 1000 V**  
**CURRENT: 2.0 A**

## Features

- ◇ Rating to 1000V PRV
- ◇ Surge overload rating to 50 Amperes peak
- ◇ Ideal for printed circuit board
- ◇ Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- ◇ Lead solderable per MIL-STD-202 method 208

## KBP



## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

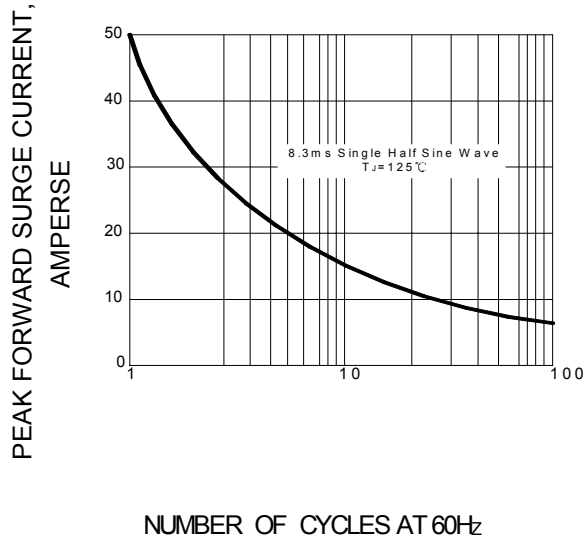
Ratings at 25°C ambient temperature unless otherwise specified.

Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate by 20%.

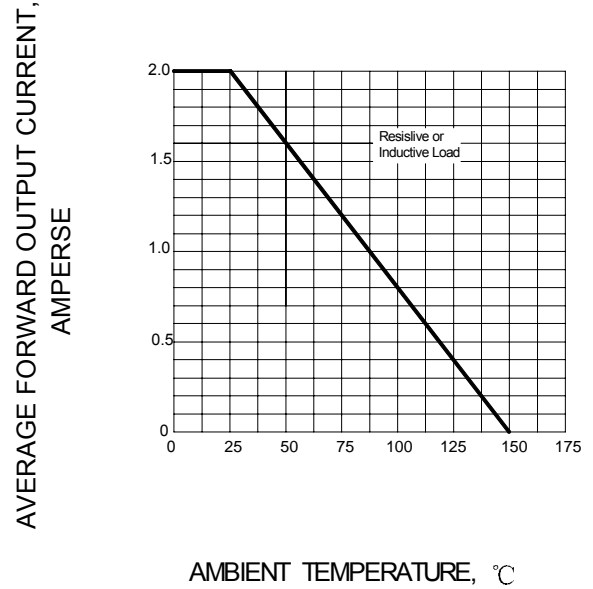
|                                                                                                            |             | RS 201L         | RS 202L | RS 203L | RS 204L | RS 205L | RS 206L | RS 207L | UNITS               |
|------------------------------------------------------------------------------------------------------------|-------------|-----------------|---------|---------|---------|---------|---------|---------|---------------------|
| Maximum recurrent peak reverse voltage                                                                     | $V_{RRM}$   | 50              | 100     | 200     | 400     | 600     | 800     | 1000    | V                   |
| Maximum RMS voltage                                                                                        | $V_{RMS}$   | 35              | 70      | 140     | 280     | 420     | 560     | 700     | V                   |
| Maximum DC blocking voltage                                                                                | $V_{DC}$    | 50              | 100     | 200     | 400     | 600     | 800     | 1000    | V                   |
| Maximum average forward Output current @ $T_A=25^\circ\text{C}$                                            | $I_{F(AV)}$ | 2.0             |         |         |         |         |         |         | A                   |
| Peak forward surge current<br>8.3ms single half-sine-wave<br>superimposed on rated load                    | $I_{FSM}$   | 50.0            |         |         |         |         |         |         | A                   |
| Maximum instantaneous forward voltage at 1.0 A                                                             | $V_F$       | 1.1             |         |         |         |         |         |         | V                   |
| Maximum reverse current @ $T_A=25^\circ\text{C}$<br>at rated DC blocking voltage @ $T_A=100^\circ\text{C}$ | $I_R$       | 5.0<br>0.5      |         |         |         |         |         |         | $\mu\text{A}$<br>mA |
| Operating junction temperature range                                                                       | $T_J$       | - 55 ---- + 150 |         |         |         |         |         |         | °C                  |
| Storage temperature range                                                                                  | $T_{STG}$   | - 55 ---- + 150 |         |         |         |         |         |         | °C                  |

## Ratings AND Characteristic Curves

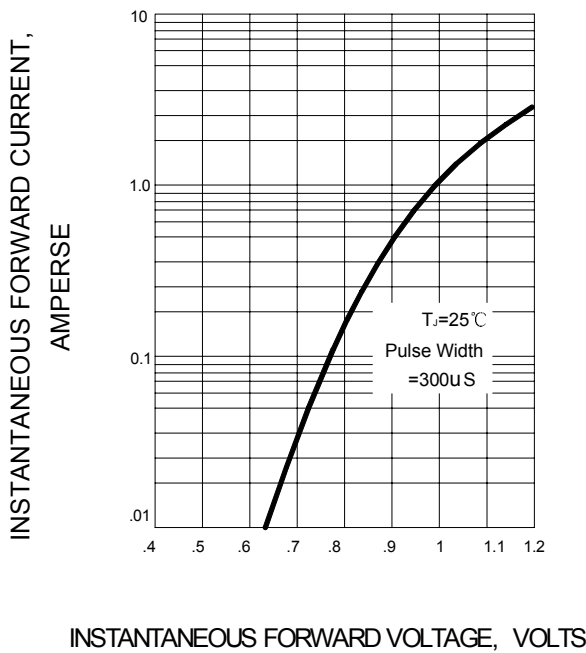
**FIG.1 – PEAK FORWARD SURGE CURRENT**



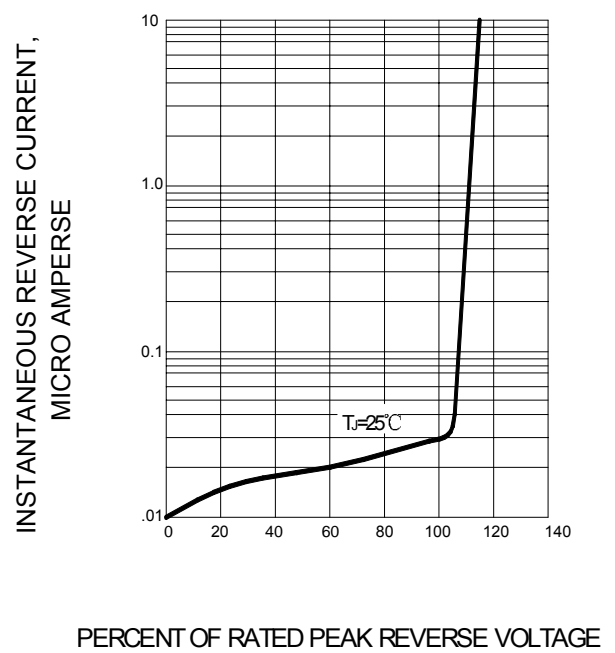
**FIG.2 – FORWARD DERATING CURVE**



**FIG.3 – TYPICAL FORWARD CHARACTERISTIC**



**FIG.4 – TYPICAL REVERSE CHARACTERISTIC**



## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Bridge Rectifiers](#) category:*

*Click to view products by [Luguang](#) manufacturer:*

Other Similar products are found below :

[MB2510](#) [MB356G](#) [MB358G](#) [MP358-BP](#) [GBJ1504-BP](#) [GBU15J-BP](#) [GBU15K-BP](#) [GBU4A-BP](#) [GBU4D-BP](#) [GBU6B-E3/45](#) [GSIB680-E3/45](#)  
[DB101-BP](#) [DF01](#) [DF10SA-E345](#) [BU1508-E3/45](#) [KBPC50-10S](#) [RS405GL-BP](#) [G5SBA60-E3/51](#) [GBJ1502-BP](#) [GBU10J-BP](#) [GBU4J-BP](#)  
[GBU6M](#) [GBU8D-BP](#) [GBU8J-BP](#) [GSIB1520-E3/45](#) [2KBB10](#) [36MB140A](#) [TB102M](#) [MB1510](#) [MB258](#) [MB6M-G](#) [MB86](#) [TL401G](#)  
[MDA920A2](#) [TU602](#) [TU810](#) [BR1005-BP](#) [BR101-BP](#) [BR84DTP204](#) [BU2006-E3/45](#) [BU2008-E3/51](#) [36MB100A](#) [36MT160](#) [36MT60](#)  
[KBPC25-02](#) [VS-2KBB60](#) [DBB08G-TM-E](#) [DBD250G](#) [DBF20G](#) [DF06SA-E345](#)