

**Features**

- Current: 25A
- Voltage:200-1600V
- Glass passivated diode chips
- High thermal conductivity package,electrically insulated case

**Typical Applications**

- Eliminator supply
- Industrial automatic control
- Numierial-controlled machinery,telecontrol system

**Major Ratings and Characteristics****MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

(Single phase,half-wave,60HZ,resistive or inductive load rating at 25°C,unless otherwise stated,  
for capacitive load,derate current by 20%)

|                                                                                    | SYMBOL                           | BPC25<br>02 | BPC25<br>04 | BPC25<br>06 | BPC25<br>08 | BPC25<br>10 | BPC25<br>12 | BPC25<br>14 | BPC25<br>16 | UNITS |
|------------------------------------------------------------------------------------|----------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| Maximum Repetitive Peak Reverse Voltage                                            | VRRM                             | 200         | 400         | 600         | 800         | 1000        | 1200        | 1400        | 1600        | V     |
| Maximum RMS Voltage                                                                | VRMS                             | 140         | 280         | 420         | 560         | 700         | 840         | 980         | 1120        | V     |
| Maximum DC Blocking Voltage                                                        | VDC                              | 200         | 400         | 600         | 800         | 1000        | 1200        | 1400        | 1600        | V     |
| Maximum Average Forward Rectified Current (TC=55°C)                                | IF(AV)                           | 25          |             |             |             |             |             |             |             | A     |
| Peak forward Surge Current(8.3ms single half sine-wave superimposed on rated load) | IFSM                             | 300         |             |             |             |             |             |             |             | A     |
| Maximum Instantaneous Forward Voltage (at forward current 17.5 DC)                 | VF                               | 1.1         |             |             |             |             |             |             |             | V     |
| Maximum DC Reverse Current Ta=25°C<br>(at rated DC blocking voltage) Ta=100°C      | IR                               | 10          |             |             |             |             |             |             |             | μ A   |
| Storage and Operating Junction Temperature                                         | T <sub>STG</sub> ,T <sub>J</sub> | -55 to +150 |             |             |             |             |             |             |             | °C    |

Note:Suffix"W"for wire type

FIG.1-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

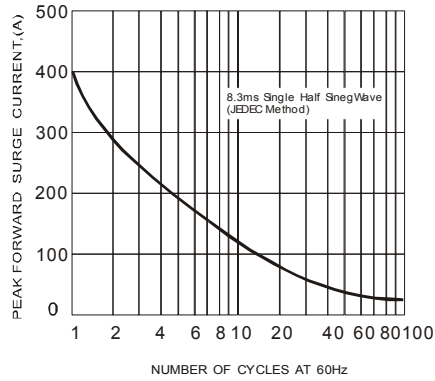


FIG. 2-TYPICAL FORWARD CURRENT DERATING CURVE

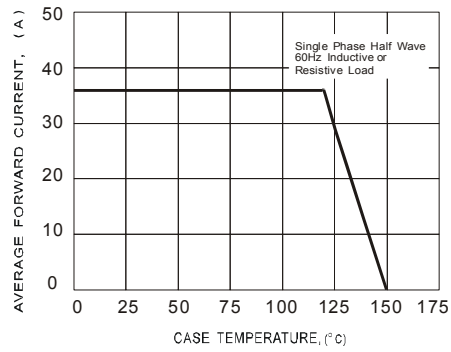


FIG. 2-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

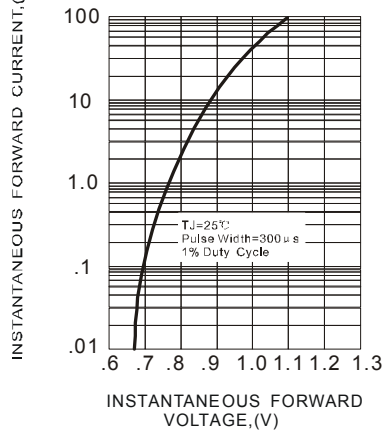


FIG. 4-TYPICAL REVERSE CHARACTERISTICS

