

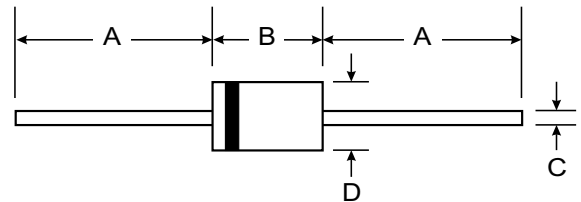
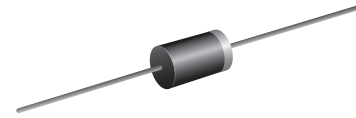
**VOLTAGE RANGE: 1000 V**  
**CURRENT: 1.0 A**

### Features

- Low leakage
- Low forward voltage drop
- High current capability
- Easily cleaned with alcohol, Isopropanol and similar solvents

### Mechanical Data

- Case : DO-15, Molded plastic
- Epoxy : UL94V-O rate flame retardant
- Lead : Axial lead solderable per MIL-STD-202, Method 208 guaranteed
- Polarity : Color band denotes cathode end
- Mounting position : Any
- Weight : 0.465 gram



DO-15		
Dim	Min	Max
A	25.40	—
B	5.50	7.62
C	0.686	0.889
D	2.60	3.60
All Dimensions in mm		

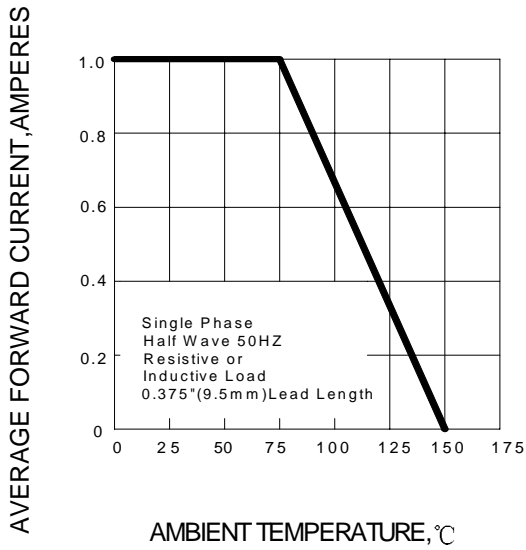
### Maximum Ratings and Electrical Characteristics T<sub>A</sub> = 25°C unless otherwise specified

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

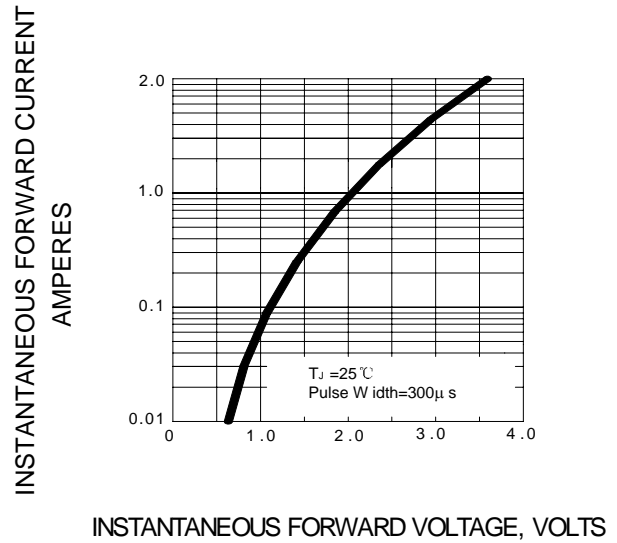
Characteristic	Symbol	BYV26EGP	Unit
Maximum recurrent peak reverse voltage	V <sub>RRM</sub>	1000	V
Maximum RMS voltage	V <sub>RMS</sub>	700	V
Maximum DC blocking voltage	V <sub>DC</sub>	1000	V
Maximum average forward rectified current 9.5 mm lead length, @T <sub>A</sub> =75°C	I <sub>F(AV)</sub>	1.0	A
Peak forward surge current 10ms single half-sine-wave superimposed on rated load @T <sub>J</sub> =125°C	I <sub>FSM</sub>	30.0	A
Maximum instantaneous forward voltage @ 1.0A	V <sub>F</sub>	2.5	V
Maximum reverse current @T <sub>A</sub> =25°C at rated DC blocking voltage @T <sub>A</sub> =100°C	I <sub>R</sub>	5.0	μA
Maximum reverse recovery time (Note1)	t <sub>rr</sub>	75	ns
Typical junction capacitance (Note2)	C <sub>J</sub>	40	pF
Typical thermal resistance (Note3)	R <sub>θJA</sub>		°C/W
Operating junction temperature range	T <sub>J</sub>	- 55 ----- + 150	°C
Storage temperature range	T <sub>STG</sub>	- 55 ----- + 150	°C

NOTE: 1. Measured with I<sub>F</sub>=0.5A, I<sub>R</sub>=1A, I<sub>r</sub>=0.25A.  
 2. Measured at 1MHz and applied reverse voltage of 4.0V DC.  
 3. Thermal resistance from junction to ambient.

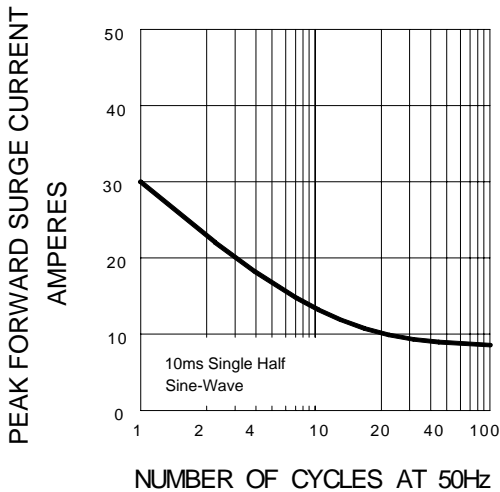
**FIG.1 – FORWARD DERATING CURVE**



**FIG.2 – TYPICAL FORWARD CHARACTERISTIC**



**FIG.3 –PEAK FORWARD SURGE CURRENT**



**FIG.4 – TYPICAL JUNCTION CAPACITANCE**

