

VOLTAGE RANGE: 1000 V

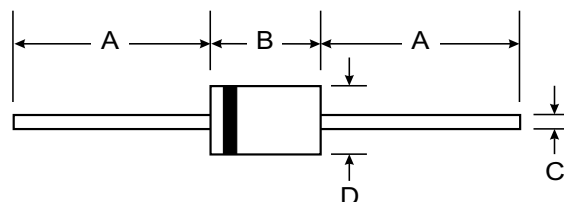
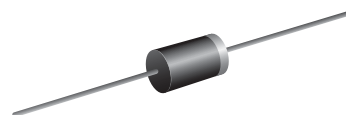
CURRENT: 1.0 A

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_A = 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_{RRM}	1000	V
Maximum RMS voltage	V_{RMS}	700	V
Maximum DC blocking voltage	V_{DC}	1000	V
Maximum average forward rectified current 9.5 mm lead length, @T _A =75°C	$I_{F(AV)}$	1.0	A
Peak forward surge current 10ms single half-sine-wave superimposed on rated load @T _J =125°C	I_{FSM}	30.0	A
Maximum instantaneous forward voltage @ 1.0A	V_F	2.5	V
Maximum reverse current @T _A =25°C at rated DC blocking voltage @T _A =100°C	I_R	5.0	μA
Maximum reverse recovery time (Note1)	t_{rr}	75	ns
Typical junction capacitance (Note2)	C_J	40	pF
Typical thermal resistance (Note3)	$R_{\theta JA}$		°C/W
Operating junction temperature range	T_J	- 55 ----- + 150	°C
Storage temperature range	T_{STG}	- 55 ----- + 150	°C

NOTE: 1. Measured with $I_F=0.5A$, $I_R=1A$, $I_{rr}=0.25A$.

2. Measured at 1MHz and applied reverse voltage of 4.0V DC.

3. Thermal resistance from junction to ambient.

FIG.1 -- FORWARD DERATING CURVE

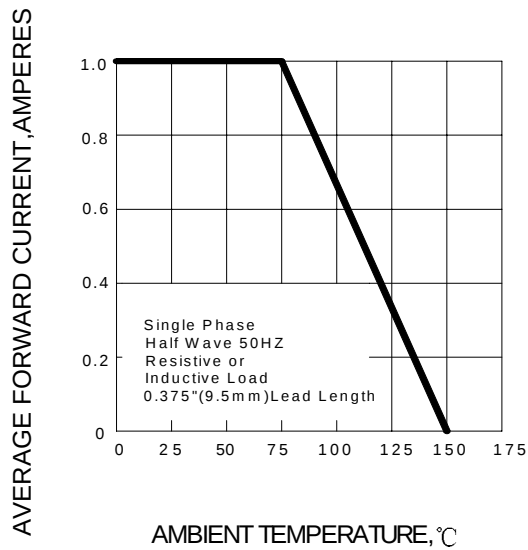


FIG.2 -- TYPICAL FORWARD CHARACTERISTIC

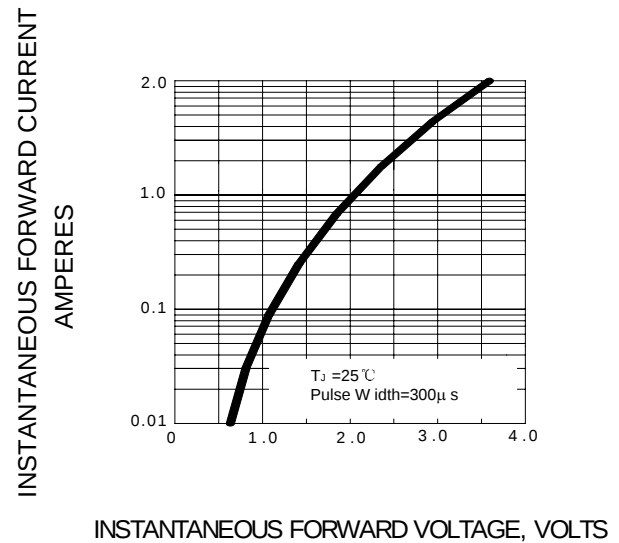


FIG.3 --PEAK FORWARD SURGE CURRENT

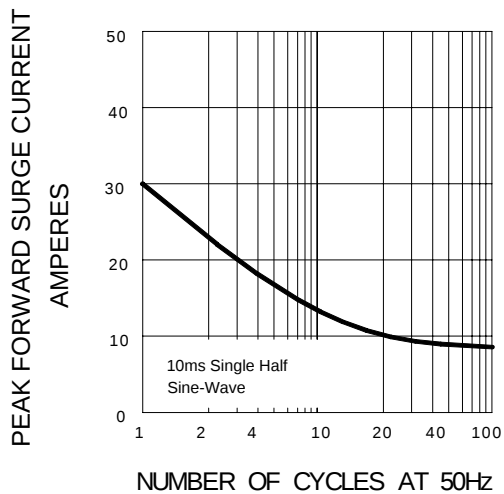


FIG.4 -- TYPICAL JUNCTION CAPACITANCE

