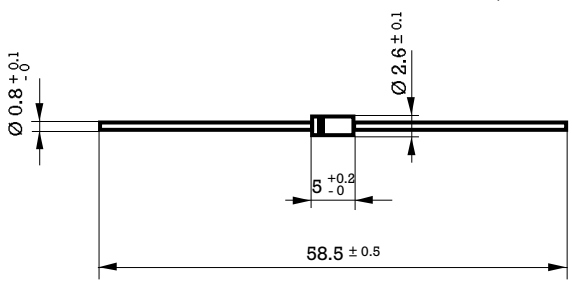


1 Amp. Very Fast Soft Recovery Glass Passivated Avalanche Diode

Dimensions in mm. DO-41 (Plastic)  Mounting instructions 1. Min. distance from body to soldering point, 4 mm. 2. Max. solder temperature, 350 °C. 3. Max. soldering time, 3.5 sec. 4. Do not bend lead at a point closer than 2 mm. to the body.	Voltage 200 to 1000 V. Current 1 A at 55 °C.  • Glass Passivated Junction • High current capability • The plastic material carries U/L recognition 94 V-0 • Terminals: Axial Leads • Polarity: Color band denotes cathode
--	---

Maximum Ratings, according to IEC publication No. 134

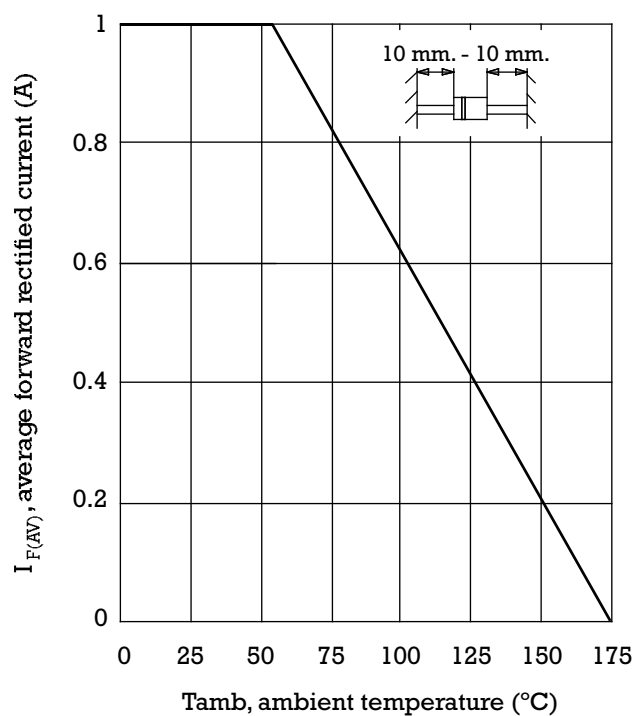
		BYV26A	BYV26B	BYV26C	BYV26D	BYV26E
V_{RRM}	Peak Recurrent reverse voltage (V)	200	400	600	800	1000
V_{RMS}	Maximum RMS voltage	140	280	420	560	700
V_{DC}	Maximum DC blocking voltage	200	400	600	800	1000
$I_{F(AV)}$	Forward current at $T_{amb} = 55\text{ °C}$	1 A				
I_{FRM}	Recurrent peak forward current	10 A				
I_{FSM}	10 ms. peak forward surge current	30 A				
t_{rr}	Max. reverse recovery time from $I_F = 0.5\text{ A}$; $I_R = 1\text{ A}$; $I_{RR} = 0.25\text{ A}$	30 ns			75 ns	
V_{BR}	Avalanche breakdown voltage at $100\text{ }\mu\text{A}$ (V)	>300	>500	>700	>900	>1100
T_j	Operating temperature range	- 65 to + 175 °C				
T_{stg}	Storage temperature range	- 65 to + 175 °C				
E_{RSM}	Maximum non repetitive peak reverse avalanche energy. $I_R = 0.5\text{ A}$; $T_j = 25\text{ °C}$	20 mJ				

Electrical Characteristics at $T_{amb} = 25\text{ °C}$

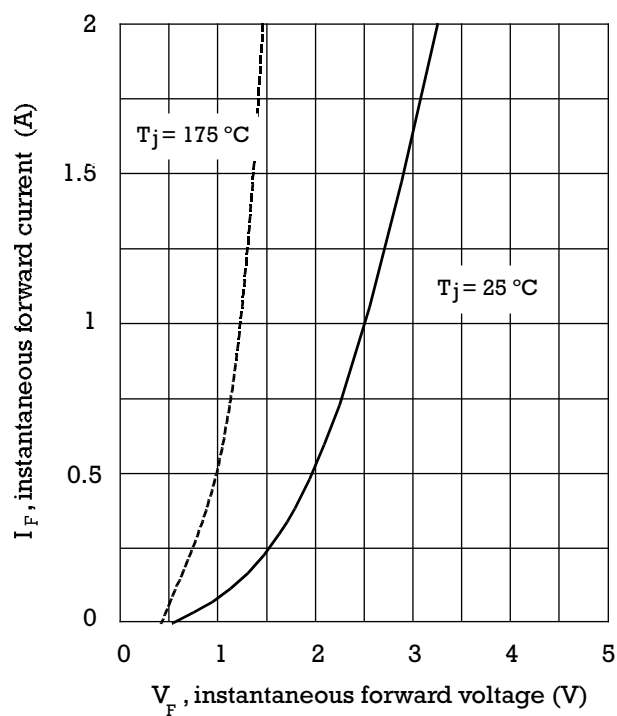
V_F	Max. forward voltage drop at $I_F = 1\text{ A}$	at 25 °C at 175 °C	2.5 V 1.3 V
I_R	Max. reverse current at V_{RRM}	at 25 °C at 165 °C	5 μA 150 μA
R_{thj-a}	Max. thermal resistance ($l = 10\text{ mm.}$)		50 °C/W

Rating And Characteristic Curves

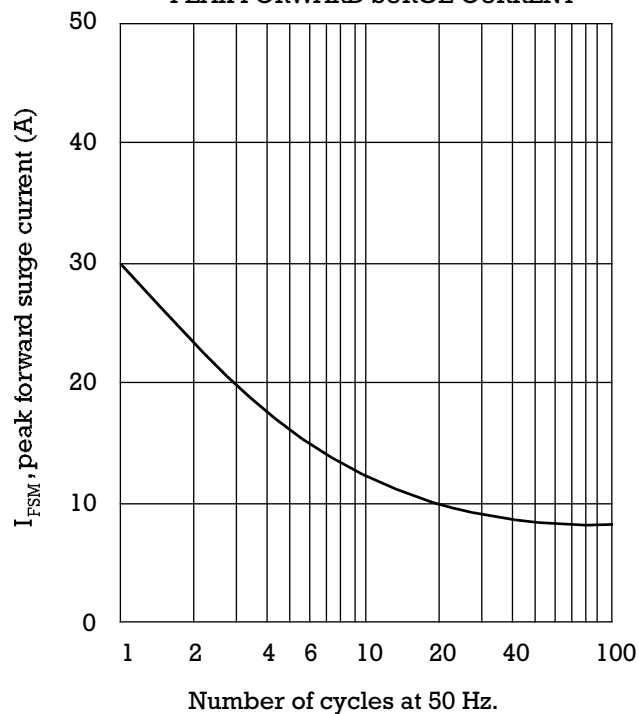
FORWARD CURRENT DERATING CURVE



MAXIMUM FORWARD CHARACTERISTIC



MAXIMUM NON REPETITIVE
PEAK FORWARD SURGE CURRENT



TYPICAL JUNCTION CAPACITANCE

