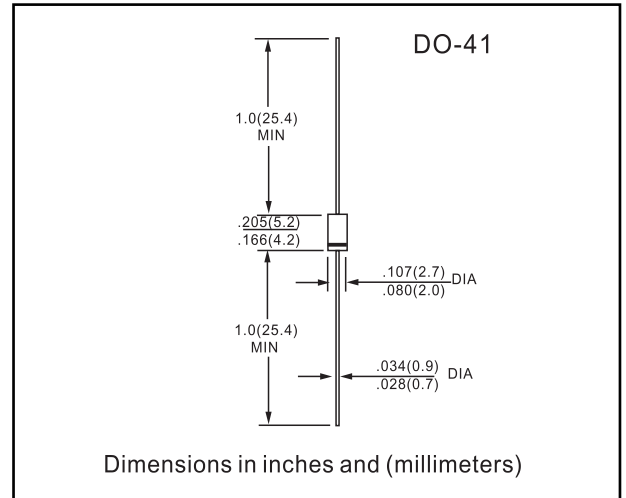


**FEATURES**

- High temperature metallurgically bonded construction Sintered glass cavity free junction
- Capability of meeting environmental standard of MIL-S-19500
- High temperature soldering guaranteed 350°C /10sec/0.375"lead length at 5 lbs tension
- Operate at Ta =55°C with no thermal run away Typical Ir<0.1μA



**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

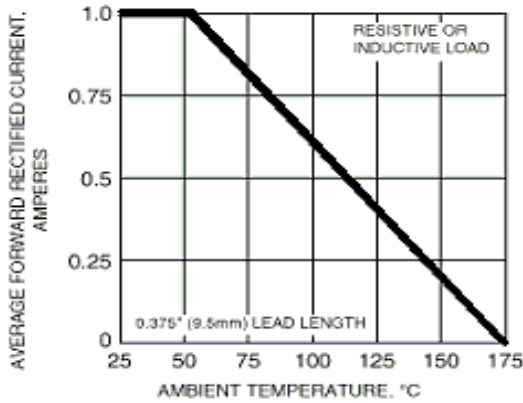
	SYMBOL	BYV26 AGP	BYV26 BGP	BYV26 CGP	BYV26 DGP	BYV26 EGP	units
Maximum Recurrent Peak Reverse Voltage	V <sub>rrm</sub>	200	400	600	800	1000	V
Maximum RMS Voltage	V <sub>rms</sub>	140	280	420	560	700	V
Maximum DC blocking Voltage	V <sub>dc</sub>	200	400	600	800	1000	V
Reverse avalanche breakdown voltage at I <sub>R</sub> = 0.1 mA	V <sub>(BR)R</sub> (min)	300	500	700	900	1100	V
Maximum Average Forward Rectified Current 3/8"lead length at Ta =55°C	I <sub>f(av)</sub>	1.0					A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	I <sub>fsm</sub>	30					A
Maximum Forward Voltage at rated Forward Current and 50°C	V <sub>f</sub>	2.5					V
Non-repetitive peak reverse avalanche energy (Note 1)	E <sub>rsm</sub>	10					mJ
Maximum DC Reverse Current Ta =25°C at rated DC blocking voltage Ta =150°C	I <sub>r</sub>	5.0 150.0					μA μA
Maximum Reverse Recovery Time (Note 2)	T <sub>rr</sub>	30			75		nS
Typical Junction Capacitance (Note 3)	C <sub>j</sub>	15.0					pF
Typical Thermal Resistance (Note 4)	R <sub>θ ja</sub>	55.0					°C/W
Storage and Operating Junction Temperature	T <sub>stg</sub> , T <sub>j</sub>	-65 to +175					°C

Note: 1.R=400mA; T<sub>j</sub>=T<sub>jmax</sub> prior to surge; inductive load switched off  
 2.Reverse Recovery Condition I<sub>f</sub> =0.5A, I<sub>r</sub> =1.0A, I<sub>rr</sub> =0.25A  
 3.Measured at 1.0 MHz and applied reverse voltage of 4.0Vdc  
 4.Thermal Resistance from Junction to Ambient at 3/8"lead length, P.C. Board Mounted

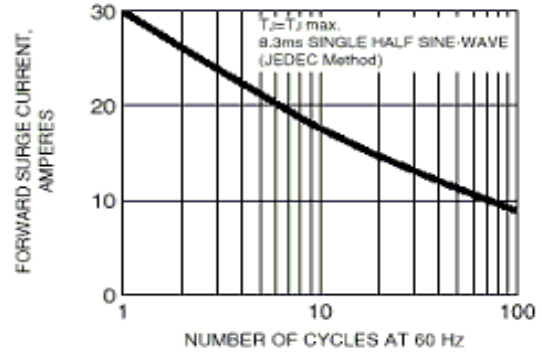
**RATINGS AND CHARACTERISTIC CURVES**

**BYV26AGP THRU BYV26EGP**

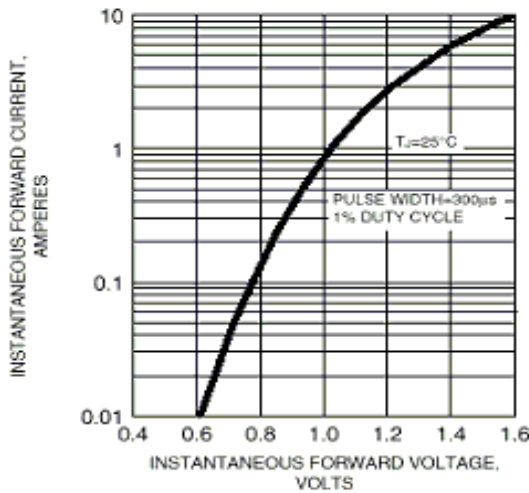
**FIG. 1 - FORWARD CURRENT DERATING CURVE**



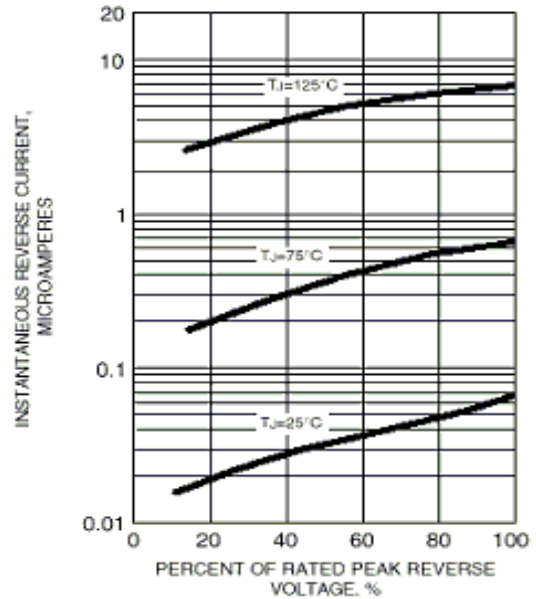
**FIG. 2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT**



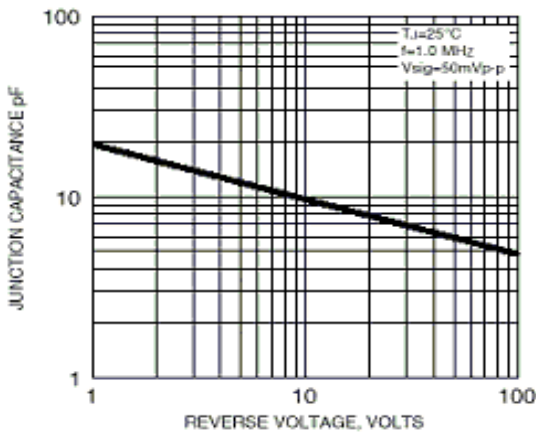
**FIG. 3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS**



**FIG. 4 - TYPICAL REVERSE CHARACTERISTICS**



**FIG. 5 - TYPICAL JUNCTION CAPACITANCE**



**FIG. 6 - TYPICAL TRANSIENT THERMAL IMPEDANCE**

