## SENSITRON

### SEMICONDUCTOR

DO-35

Technical Data Data Sheet 1280, Rev. A

# **DB3 Series**

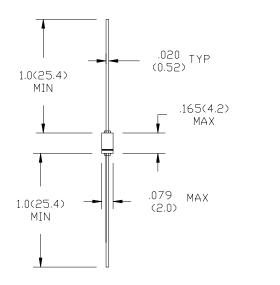
### Applications

Gate-control circuits and power oscillator designs

### **Maximum Ratings and Electrical Characteristics**

PARAMETERS	SYMBOL	DB3	DB4	UNITS
Breakover Voltage	+V <sub>BO</sub> , -V <sub>BO</sub>			VOLT
		28	35	Min
		32	40	Тур
		36	45	Max
Breakover Voltage	(+V <sub>BO</sub> )-(-V <sub>BO</sub> )	3	3	VOLT
Symmetry				Max
Dynamic Breakback	V <sub>b0</sub>  - V <sub>br</sub>	5	5	VOLT
Voltage				Min
Breakover Current	+I <sub>BR</sub> , -I <sub>BR</sub>	100	100	μA
				Max
Peak Pulse Current	I <sub>P</sub>	2.0	2.0	AMP
for 10 $\mu$ S,120pps,T <sub>A</sub> $\leq$				Max
40 °C				
Cases: DO-35 Molded G	lass			

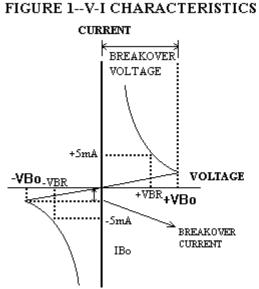
#### Mechanical Dimensions: In Inches / mm



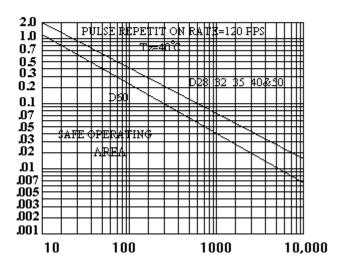
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#### FIGURE 2-REPETITIVE PEAK ON-STATE CURRENT VS PULSE DURATION

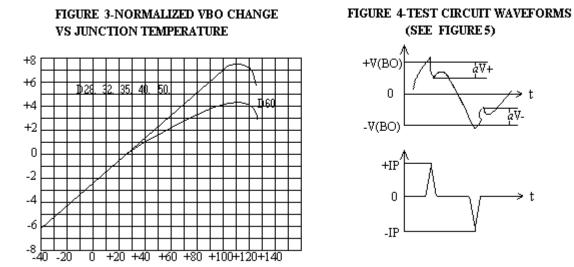


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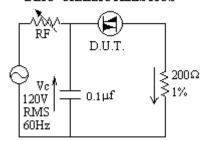
• 221 West Industry Court 🗉 Deer Park, NY 11729-4681 🗉 (631) 586-7600 FAX (631) 242-9798 • World Wide Web Site - http://www.sensitron.com • E-Mail Address - sales@sensitron.com •

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DB3 DB4

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#### FIGURE 5-CIRCUIT USED TO MEASURE DIAC CHARACTERISTICS



\*ADJUST FOR ONE FIRINGIN HALF CYCLE



#### **TECHNICAL DATA**

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