

- 1N6702 AVAILABLE IN JAN, JANTX AND JANTXV
- 5 AMP SCHOTTKY BARRIER RECTIFIERS
- HERMETICALLY SEALED
- METALLURGICALLY BONDED
- DOUBLE PLUG CONSTRUCTION

1N6700 thru 1N6702  
and  
DSB5A20 thru DSB5A40

### MAXIMUM RATINGS

Operating Temperature: -65°C to +125°C  
 Storage Temperature: -65°C to +150°C  
 Average Rectified Forward Current: 5.0 AMP @  $T_L = +90^\circ\text{C}$ , L = 3/8"  
 Derating: 71 mA / °C above  $T_L = +55^\circ\text{C}$ , L = 3/8"

ELECTRICAL CHARACTERISTICS @ 25°C, unless otherwise specified.

CDI TYPE NUMBER	WORKING PEAK REVERSE VOLTAGE	MAXIMUM FORWARD VOLTAGE			MAXIMUM REVERSE LEAKAGE CURRENT AT RATED VOLTAGE	
		$V_{RWM}$	$V_F @ 3.0 \text{ A}$	$V_F @ 5.0 \text{ A}$	$V_F @ 15.7 \text{ A}$	$I_R @ +25^\circ\text{C}$
	VOLTS	VOLTS	VOLTS	VOLTS	mA	mA
1N6700	20	0.44	0.47	0.60	0.20	20.0
1N6701	30	0.44	0.47	0.60	0.20	20.0
1N6702	40	0.44	0.47	0.60	0.20	20.0
DSB5A20	20	0.50	0.55	0.70	0.20	25.0
DSB5A30	30	0.50	0.55	0.70	0.20	25.0
DSB5A40	40	0.50	0.55	0.70	0.20	25.0

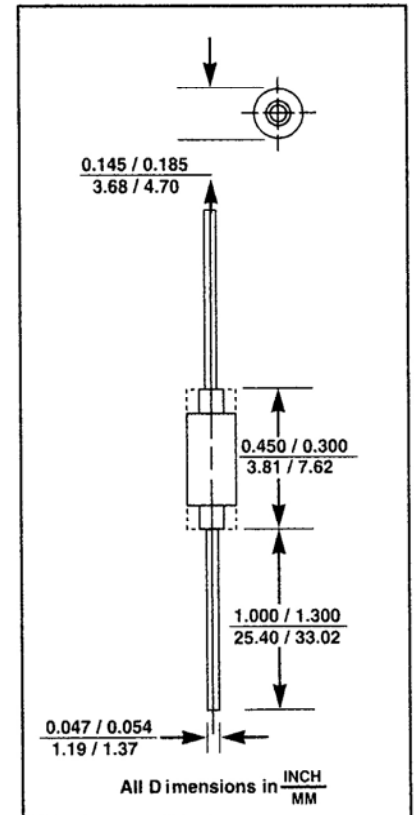


FIGURE 1

### DESIGN DATA

CASE: Hermetically sealed.

LEAD FINISH: Tin / Lead

THERMAL RESISTANCE: AT 3/8"  
Lead Length = 20 °C/W maximum

POLARITY: Cathode end is banded.

MOUNTING POSITION: Any

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# 1N6700 thru 1N6702 and DSB5A20 thru DSB5A40

TYPICAL REVERSE LEAKAGE CURRENT AT RATED PIV (PULSED)

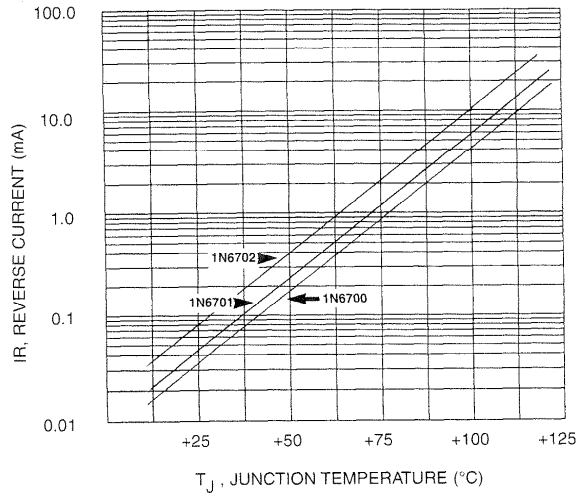


FIGURE 1

TYPICAL FORWARD VOLTAGE

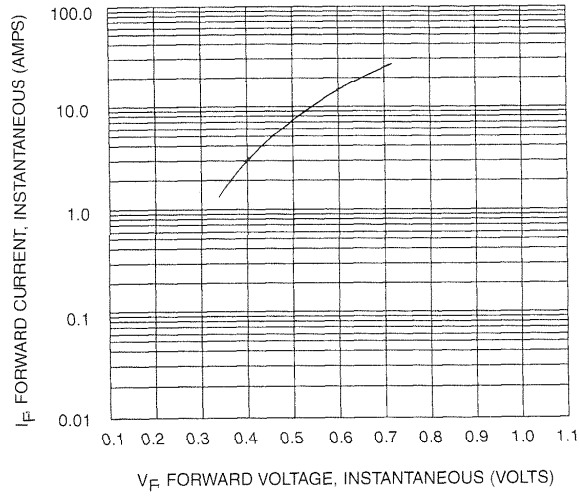


FIGURE 2