

- 1N5822 AVAILABLE IN JAN, JANTX, JANTXV AND JANS PER MIL-PRF-19500/620
- 3 AMP SCHOTTKY BARRIER RECTIFIERS
- HERMETICALLY SEALED
- METALLURGICALLY BONDED

1N5822
and
DSB5820 thru DSB5822
and
DSB3A20 thru DSB3A40

MAXIMUM RATINGS

Operating Temperature: -65°C to +125°C
 Storage Temperature: -65°C to +150°C
 Average Rectified Forward Current: 3.0 AMP @ $T_L = +55^\circ\text{C}$, $L = 3/8"$
 Derating: 43 mA / °C above $T_L = +55^\circ\text{C}$, $L = 3/8"$

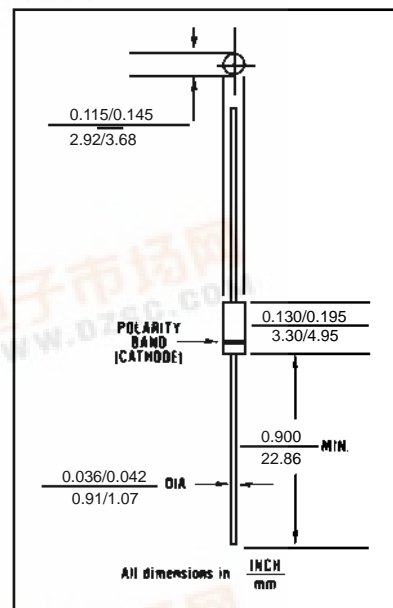


FIGURE 1

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}	$V_F @ 1.0 \text{ A}$	$V_F @ 3.0 \text{ A}$	$I_R @ +25^\circ\text{C}$	$I_R @ +100^\circ\text{C}$
		VOLTS	VOLTS	VOLTS	mA	mA
DSB5820	20	0.40	0.50	0.70	0.10	12.5
DSB5821	30	0.40	0.50	0.70	0.10	12.5
DSB5822	40	0.40	0.50	0.70	0.10	12.5
J,JX,JV & JS 5822	40	0.40	0.50	0.70	0.10	12.5
DSB3A20	20	0.40	0.50	0.70	0.10	12.5
DSB3A30	30	0.40	0.50	0.70	0.10	12.5
DSB3A40	40	0.40	0.50	0.70	0.10	12.5

DESIGN DATA

CASE: Hermetically sealed, "B" Body per MIL-PRF-19500/620. D-5B

LEAD MATERIAL: Copper clad steel

LEAD FINISH: Tin / Lead

THERMAL RESISTANCE: ($R_{\theta JC}$): 30 °C/W maximum at $L = .375$ inch

THERMAL IMPEDANCE: ($Z_{\theta JX}$): 3 °C/W maximum

POLARITY: Cathode end is banded.

MOUNTING POSITION: Any



COMPENSATED DEVICES INCORPORATED

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1N5822 and DSB5820 thru DSB5822 and DSB3A20 thru DSB3A40

TYPICAL REVERSE LEAKAGE CURRENT AT RATED PIV (PULSED)

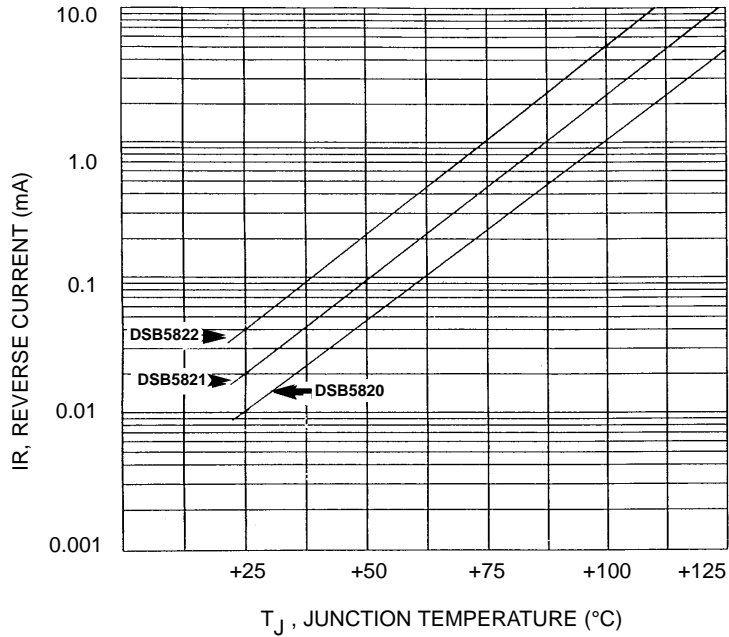


FIGURE 1

TYPICAL FORWARD VOLTAGE

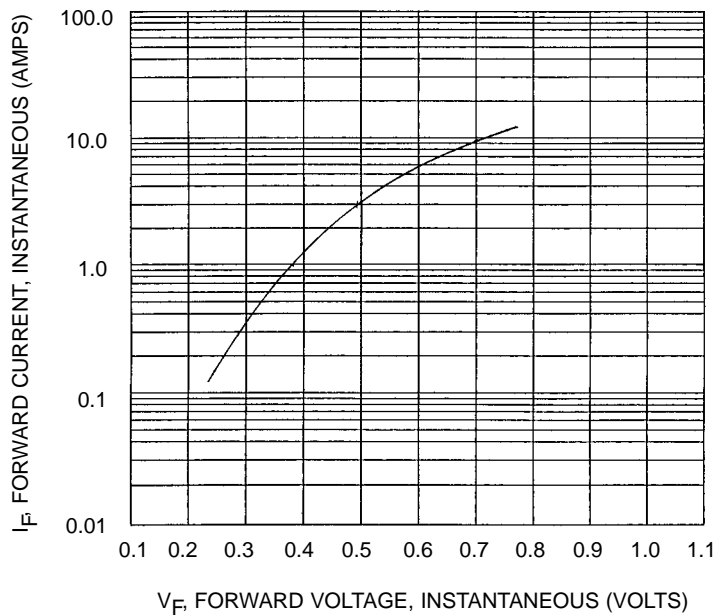


FIGURE 2