



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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- 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 $T_L = +55^\circ\text{C}$, $L = 3/8"$

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}	$V_F @ 1.0 \text{ A}$	$V_F @ 3.0 \text{ A}$	$V_F @ 9.4 \text{ A}$	$I_R @ +25^\circ\text{C}$
	VOLTS	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

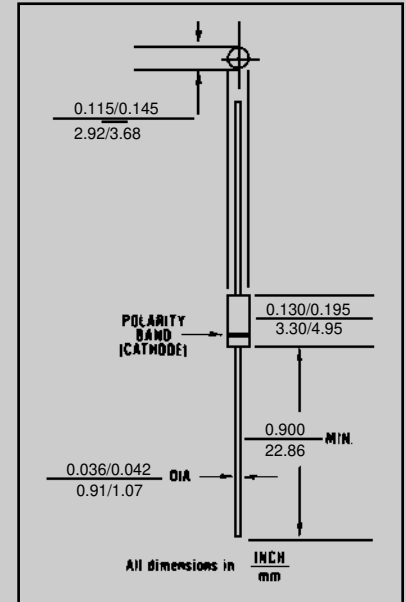


FIGURE 1

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: ($R_{\theta JEC}$): 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



1N5822 and DSB5820 thru DSB5822 and DSB3A20 thru DSB3A40

TYPICAL REVERSE LEAKAGE CURRENT AT RATED PIV (PULSED)

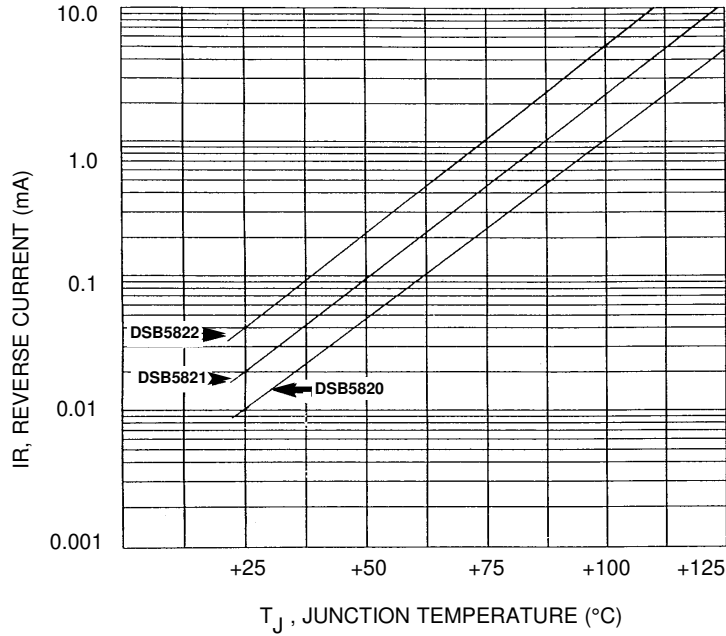


FIGURE 1

TYPICAL FORWARD VOLTAGE

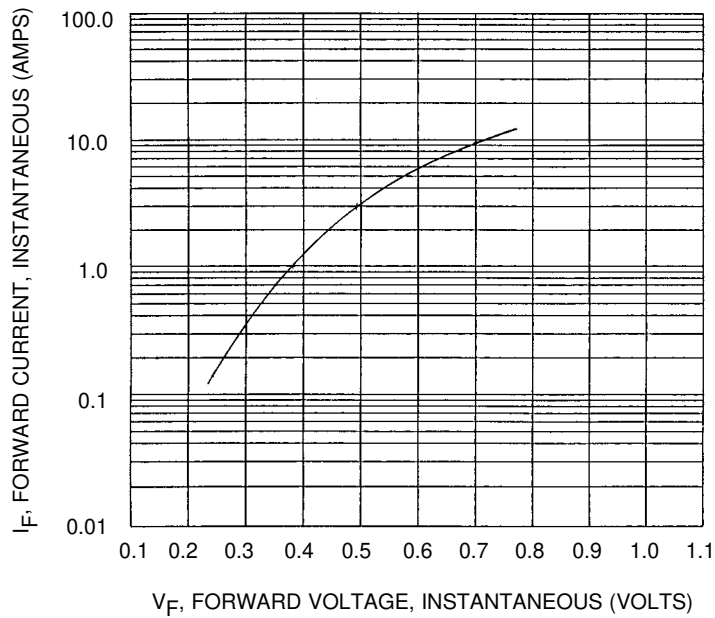


FIGURE 2