



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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- 1N6677-1 AVAILABLE IN JAN, JANTX, JANTXV AND JANS PER MIL-PRF-19500/610
- 0.2 AND 0.5 AMP SCHOTTKY BARRIER RECTIFIERS
- HERMETICALLY SEALED
- METALLURGICALLY BONDED
- DOUBLE PLUG CONSTRUCTION

1N6675 thru 1N6677
and
DSB0.2A20 thru DSB0.2A40
and
DSB0.5A20 thru DSB0.5A40

MAXIMUM RATINGS - 0.2 AMP DEVICES

Operating Temperature: -65°C to +125°C
Storage Temperature: -65°C to +150°C
Average Rectified Forward Current: 0.2 AMP @ $T_L = +100^\circ\text{C}$, $L = 3/8"$
Derating: 8.0 mA / °C above $T_L = +100^\circ\text{C}$, $L = 3/8"$

ELECTRICAL CHARACTERISTICS @ 25°C, unless otherwise specified.

CDI TYPE NUMBER	WORKING PEAK REVERSE VOLTAGE V_{RWM} VOLTS	MAXIMUM FORWARD VOLTAGE			MAXIMUM REVERSE LEAKAGE CURRENT AT RATED VOLTAGE		MAXIMUM CAPACITANCE @ $V_R = 0$ VOLTS $f = 1.0$ MHz C_T PICO FARADS
		$V_F @ 20$ mA	$V_F @ 200$ mA	$V_F @ 630$ mA	$I_R @ +25^\circ\text{C}$	$I_R @ +100^\circ\text{C}$	
		VOLTS	VOLTS	VOLTS	μA	mA	
1N6675	20	0.37	0.50	0.70	5.0	0.6	50
1N6676	30	0.37	0.50	0.70	5.0	0.6	50
1N6677	40	0.37	0.50	0.70	5.0	0.6	50
DSB0.2A20	20	0.37	0.50	0.70	5.0	0.6	50
DSB0.2A30	30	0.37	0.50	0.70	5.0	0.6	50
DSB0.2A40	40	0.37	0.50	0.70	5.0	0.6	50

MAXIMUM RATINGS - 0.5 AMP DEVICES

Operating Temperature: -65°C to +125°C
Storage Temperature: -65°C to +150°C
Average Rectified Forward Current: 0.5 AMP @ +75°C
Derating: 6.67 mA / °C above +75°C

ELECTRICAL CHARACTERISTICS @ 25°C, unless otherwise specified.

CDI TYPE NUMBER	WORKING PEAK REVERSE VOLTAGE V_{RWM} VOLTS	MAXIMUM FORWARD VOLTAGE		MAXIMUM REVERSE LEAKAGE CURRENT AT RATED VOLTAGE		MAXIMUM CAPACITANCE @ $V_R = 0$ VOLTS $f = 1.0$ MHz C_T PICO FARADS
		$V_F @ 0.1\text{A}$	$V_F @ 0.5\text{A}$	$I_R @ +25^\circ\text{C}$	$I_R @ +100^\circ\text{C}$	
		VOLTS	VOLTS	μA	mA	
DSB0.5A20	20	0.50	0.65	10.0	1.0	60
DSB0.5A30	30	0.50	0.65	10.0	1.0	60
DSB0.5A40	40	0.50	0.65	10.0	1.0	60

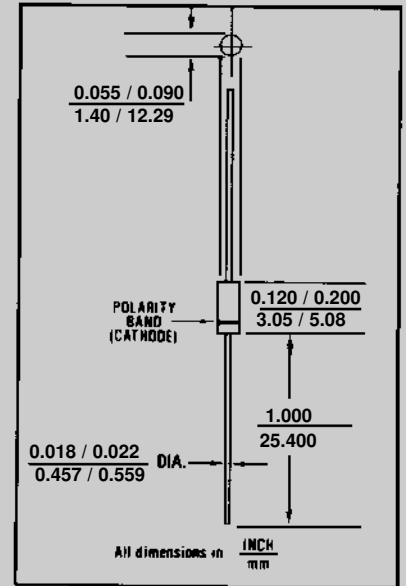


FIGURE 1

DESIGN DATA

CASE: Hermetically sealed, DO-35
LEAD MATERIAL: Copper clad steel
LEAD FINISH: Tin / Lead
THERMAL RESISTANCE: ($R_{\theta JEC}$): 250 °C/W maximum at $L = .375$ inch
THERMAL IMPEDANCE: ($Z_{\theta JX}$): 20 °C/W maximum
POLARITY: Cathode end is banded.
MOUNTING POSITION: Any



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1N6675 thru 1N6677 and DSB0.2A20 thru DSB0.2A40 and DSB0.5A20 thru DSB0.5A40

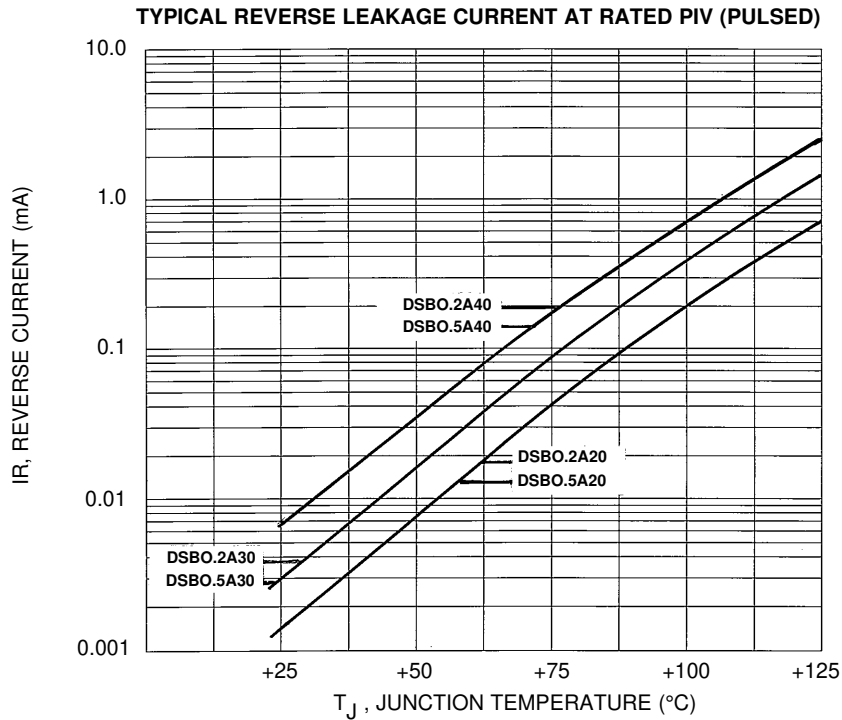


FIGURE 1

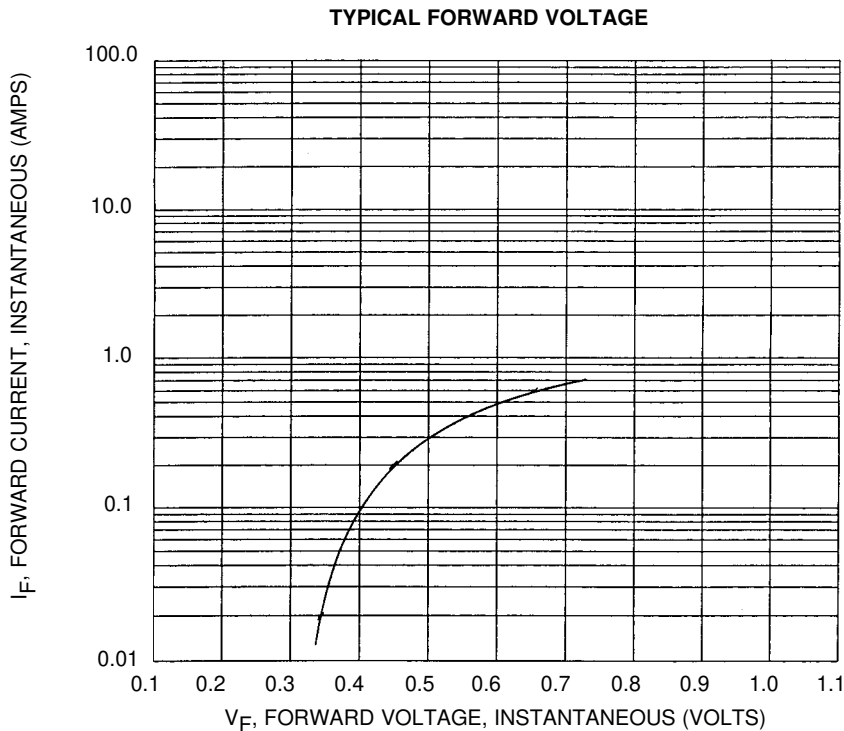


FIGURE 2