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- 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 @ $T_L = +100^\circ\text{C}$, =3/8"
 Derating: 8.0 mA / °C above $T_L = +100^\circ\text{C}$, L = 3/8"

ELECTRICAL CHARACTERISTICS @ 25°C, unless otherwise specified.

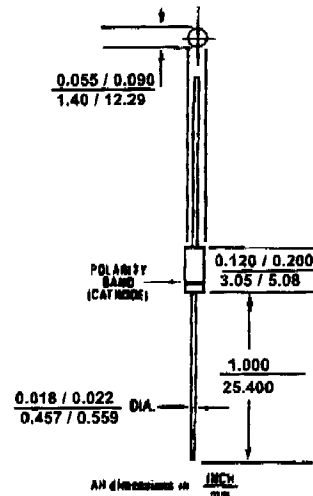
CDI TYPE NUMBER	WORKING PEAK REVERSE VOLTAGE	MAXIMUM FORWARD VOLTAGE				MAXIMUM REVERSE LEAKAGE CURRENT AT RATED VOLTAGE		MAXIMUM CAPACITANCE @ $V_R = 0$ VOLTS $f = 1.0$ MHz
		V_{RWM}	$V_F @ 20$ mA	$V_F @ 200$ mA	$V_F @ 530$ mA	$I_R @ +25^\circ\text{C}$	$I_R @ +100^\circ\text{C}$	C_T
		VOLTS	VOLTS	VOLTS	VOLTS	μA	mA	PICO FARADS
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

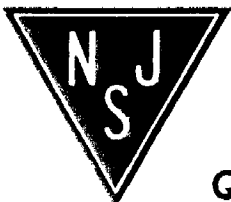
ELECTRICAL CHARACTERISTICS @ 25°C, unless otherwise specified.

CDI TYPE NUMBER	WORKING PEAK REVERSE VOLTAGE	MAXIMUM FORWARD VOLTAGE		MAXIMUM REVERSE LEAKAGE CURRENT AT RATED VOLTAGE		MAXIMUM CAPACITANCE @ $V_R = 0$ VOLTS $f = 1.0$ MHz
		$V_F @ 0.1\text{A}$	$V_F @ 0.5\text{A}$	$I_R @ +25^\circ\text{C}$	$I_R @ +100^\circ\text{C}$	C_T
		VOLTS	VOLTS	μA	mA	PICO FARADS
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



DESIGN DATA

- CASE: Hermetically sealed, DO-35
- LEAD MATERIAL: Copper clad steel
- LEAD FINISH: Tin / Lead
- THERMAL RESISTANCE: ($R_{\theta JC}$): 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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