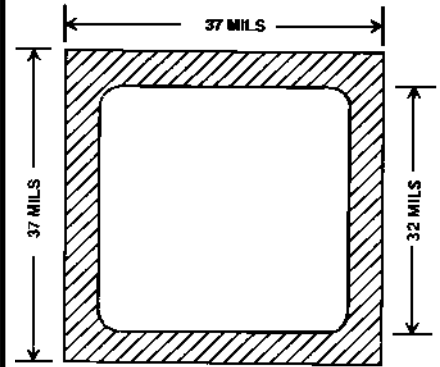


- 1N5819 AND 1N6761 AVAILABLE IN JANHC AND JANKC PER MIL PRF-19500/586
- 1 AMP SCHOTTKY BARRIER RECTIFIER CHIPS
- SILICON DIOXIDE PASSIVATED
- COMPATIBLE WITH ALL WIRE BONDING AND DIE ATTACH TECHNIQUES, WITH THE EXCEPTION OF SOLDER REFLOW

CD5817 thru CD5819  
and  
CD6759 thru CD6761  
and  
CD1A20 thru CD1A100

### MAXIMUM RATINGS

Operating Temperature: -55°C to +125°C  
Storage Temperature: -55°C to +150°C  
Average Rectified Forward Current: 1.0 AMP @ +55°C  
Derating: 14.3 mA / °C above +55°C



BACKSIDE IS CATHODE  
FIGURE 1

| CDI<br>TYPE<br>NUMBER | WORKING PEAK<br>REVERSE<br>VOLTAGE | MAXIMUM FORWARD VOLTAGE |                      | MAXIMUM REVERSE<br>LEAKAGE CURRENT<br>AT RATED VOLTAGE |                       |
|-----------------------|------------------------------------|-------------------------|----------------------|--|-----------------------|
|                       | V <sub>RWM</sub>                   | V <sub>F</sub> @0.1A    | V <sub>F</sub> @1.0A | I <sub>R</sub> @25°C                                   | I <sub>R</sub> @100°C |
|                       | VOLTS                              | VOLTS                   | VOLTS                | mA   | mA                    |
| CD5817                | 20                                 | 0.36                    | 0.60                 | 0.10   | 5.0                   |
| CD5818                | 30                                 | 0.36                    | 0.60                 | 0.10   | 5.0                   |
| CD5819                | 40                                 | 0.36                    | 0.60                 | 0.10   | 5.0                   |
| JHC, JKC<br>5819      | 45                                 | 0.34                    | 0.49                 | 0.05   | 5.0                   |
| CD6759                | 60                                 | 0.38                    | 0.75                 | 0.10   | 6.0                   |
| CD6760                | 80                                 | 0.38                    | 0.75                 | 0.10   | 6.0                   |
| CD6761                | 100                                | 0.38                    | 0.75                 | 0.10   | 6.0                   |
| JHC, JKC<br>6761      | 100                                | 0.38                    | 0.69                 | 0.10   | 12.0                  |
| CD1A20                | 20                                 | 0.36                    | 0.60                 | 0.10   | 5.0                   |
| CD1A30                | 30                                 | 0.36                    | 0.60                 | 0.10   | 5.0                   |
| CD1A40                | 40                                 | 0.36                    | 0.60                 | 0.10   | 5.0                   |
| CD1A50                | 50                                 | 0.36                    | 0.60                 | 0.10   | 5.0                   |
| CD1A60                | 60                                 | 0.38                    | 0.75                 | 0.10   | 12.0                  |
| CD1A80                | 80                                 | 0.38                    | 0.75                 | 0.10   | 12.0                  |
| CD1A100               | 100                                | 0.38                    | 0.75                 | 0.10   | 12.0                  |

### DESIGN DATA

#### METALLIZATION:

Top: (Anode).....Al  
Back: (Cathode).....Au

AL THICKNESS.....25,000 Å Min

GOLD THICKNESS.....4,000 Å Min

CHIP THICKNESS.....10 Mils

TOLERANCES: ALL  
Dimensions ± 2 mils



## COMPENSATED DEVICES INCORPORATED

22 COREY STREET, MELROSE, MASSACHUSETTS 02176  
PHONE (781) 665-1071  
WEBSITE: <http://www.cdi-diodes.com>

FAX (781) 665-7379

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# CD5817 thru CD5819 and CD6759 thru CD6761 and CD1A20 thru CD1A100

TYPICAL REVERSE LEAKAGE CURRENT AT RATED PIV (PULSED)

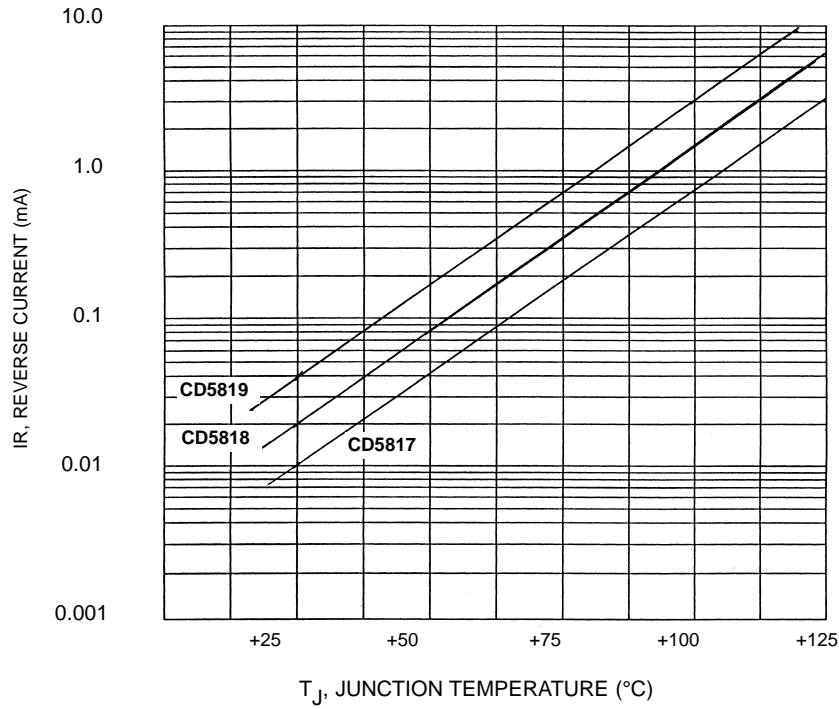


FIGURE 1

TYPICAL FORWARD VOLTAGE

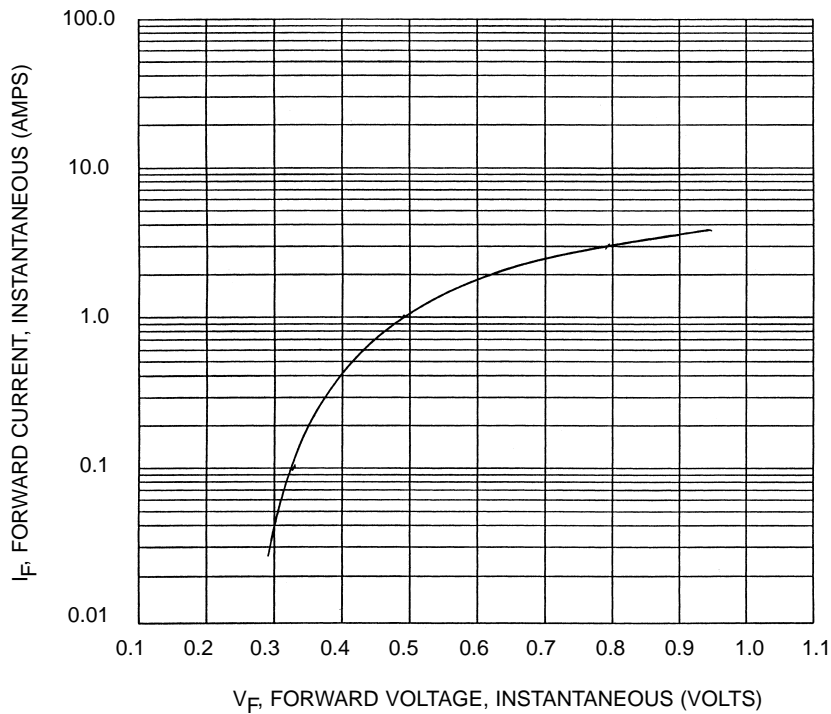


FIGURE 2