

- 1N5819UR-1 AND 1N6761UR-1 AVAILABLE IN JAN, JANTX, JANTXV AND JANS PER MIL-PRF-19500/586
- 1 AMP SCHOTTKY BARRIER RECTIFIERS
- HERMETICALLY SEALED
- LEADLESS PACKAGE FOR SURFACE MOUNT
- METALLURGICALLY BONDED

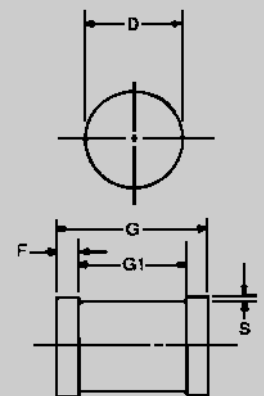
1N5819UR
and
CDLL5817 thru CDLL5819
and
CDLL6759 thru CDLL6761
and
CDLL1A20 thru CDLL1A100

MAXIMUM RATINGS

Operating Temperature: -55°C to +125°C
Storage Temperature: -55°C to +150°C
Average Rectified Forward Current: 1.0 AMP @ $T_{EC} = +55^{\circ}C$
Derating: 14 mA / °C above $T_{EC} = +55^{\circ}C$

ELECTRICAL CHARACTERISTICS @ 25°C, unless otherwise specified.

| CDI TYPE NUMBER | WORKING PEAK REVERSE VOLTAGE | MAXIMUM FORWARD VOLTAGE | | | MAXIMUM REVERSE LEAKAGE CURRENT AT RATED VOLTAGE | |
|--------------------------|------------------------------------|-------------------------|--------------|--------------|--|-----------------------|
| | V_{RWM} | $V_F @ 0.1A$ | $V_F @ 1.0A$ | $V_F @ 3.1A$ | $I_R @ +25^{\circ}C$ | $I_R @ +100^{\circ}C$ |
| | VOLTS | VOLTS | VOLTS | VOLTS | mA | mA |
| CDLL5817 | 20 | 0.36 | 0.60 | 0.9 | 0.1 | 5.0 |
| CDLL5818 | 30 | 0.36 | 0.60 | 0.9 | 0.1 | 5.0 |
| CDLL5819 | 40 | 0.36 | 0.60 | 0.9 | 0.1 | 5.0 |
| J,JX,JV & JS 5819UR-1 | 45 | 0.34 | 0.49 | 0.8 | 0.05 | 5.0 |
| CDLL6759 | 60 | 0.38 | 0.69 | N/A | 0.1 | 6.0 |
| CDLL6760 | 80 | 0.38 | 0.69 | N/A | 0.1 | 6.0 |
| CDLL6761 | 100 | 0.38 | 0.69 | N/A <td 0.1 | 6.0 | |
| J,JX,JV & JS 6761UR-1 | 100 | 0.38 | 0.69 | N/A | 0.10 | 12.0 |
| CDLL1A20 | 20 | 0.36 | 0.60 | 0.9 | 0.1 | 5.0 |
| CDLL1A30 | 30 | 0.36 | 0.60 | 0.9 | 0.1 | 5.0 |
| CDLL1A40 | 40 | 0.36 | 0.60 | 0.9 | 0.1 | 5.0 |
| CDLL1A50 | 50 | 0.36 | 0.60 | 0.9 | 0.1 | 5.0 |
| CDLL1A60 | 60 | 0.38 | 0.69 | N/A | 0.1 | 12.0 |
| CDLL1A80 | 80 | 0.38 | 0.69 | N/A | 0.1 | 12.0 |
| CDLL1A100 | 100 | 0.38 | 0.69 | N/A | 0.1 | 12.0 |



| DIM | MILLIMETERS | | INCHES | |
|-----|-------------|------|-----------|------|
| | MIN | MAX | MIN | MAX |
| D | 2.39 | 2.66 | .094 | .105 |
| F | 0.41 | 0.55 | .016 | .022 |
| G | 4.80 | 5.20 | .189 | .205 |
| G1 | 4.11 REF. | | .159 REF. | |
| S | 0.03 MIN. | | .001 MIN. | |

FIGURE 1

DESIGN DATA

CASE: DO-213AB, Hermetically sealed glass case. (MELF, LL41)

LEAD FINISH: Tin / Lead

THERMAL RESISTANCE: ($R_{\theta JC}$): 40 $\mu C/W$ maximum at L = 0 inch

THERMAL IMPEDANCE: ($Z_{\theta JX}$): 12 $\mu C/W$ maximum

POLARITY: Cathode end is banded.

MOUNTING SURFACE SELECTION:
The Axial Coefficient of Expansion (COE) Of this Device is Approximately +6PPM/°C. The COE of the Mounting Surface System Should Be Selected To Provide A Suitable Match With This Device.



6 LAKE STREET, LAWRENCE, MASSACHUSETTS 01841
PHONE (978) 620-2600 FAX (978) 689-0803
WEBSITE: <http://www.microsemi.com>

CDLL5817 thru CDLL5819 and CDLL6759 thru CDLL6761 and CDLL1A20 thru CDLL1A100

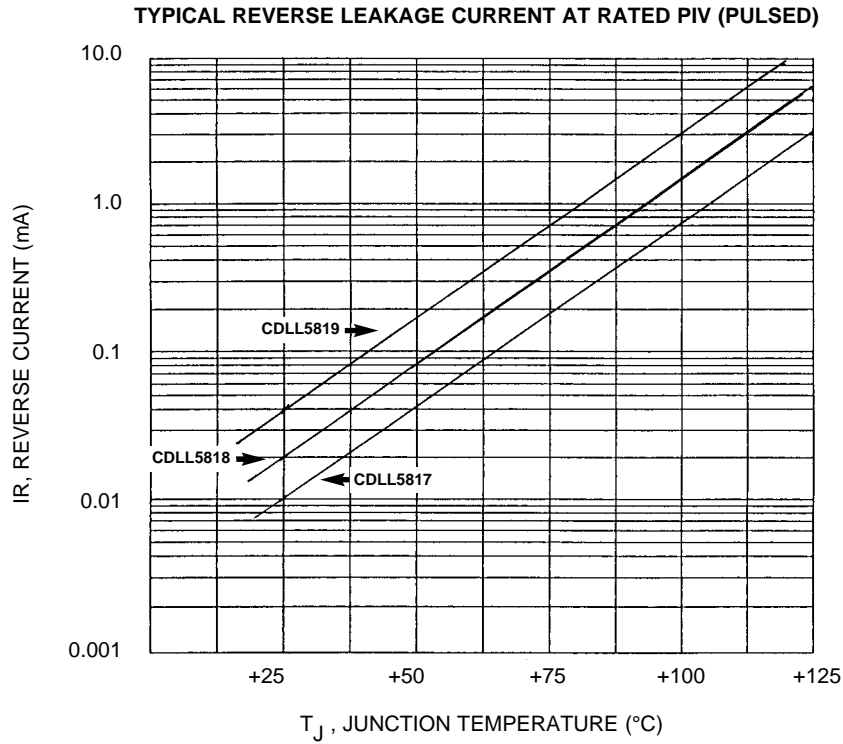


FIGURE 1

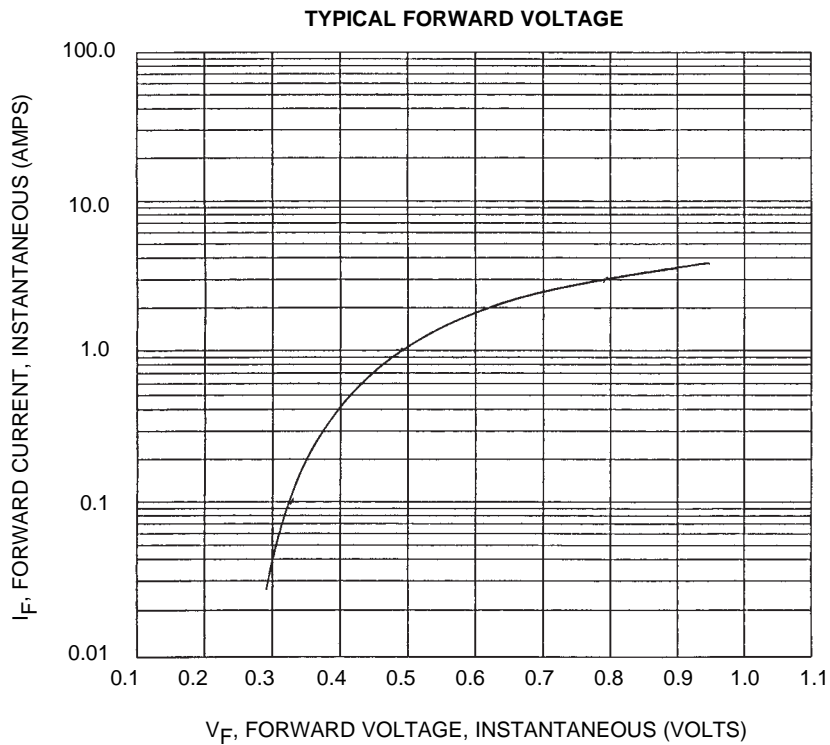


FIGURE 2