- 1N6677UR-1 AVAILABLE IN JAN, JANTX, JANTXV AND JANS PER MIL-PRF-19500/610
- 0.2 & 0.5 AMP SCHOTTKY BARRIER RECTIFIERS
- HERMETICALLY SEALED
- LEADLESS PACKAGE FOR SURFACE MOUNT
- METALLURGICALLY BONDED
- DOUBLE PLUG CONSTRUCTION

1N6677UR-1 and CDLL6675 thru CDLL6677 and CDLL0.2A20 thru 40 and CDLL0.5A20 thru 40

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_{EC} = +100°C
Derating: 8.0 mA / °C above +100°C

ELECTRICAL CHARACTERISTICS @ 25°C, unless otherwise specified.

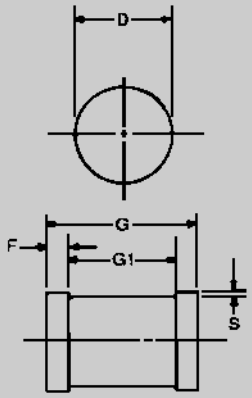
CDI TYPE NUMBER	WORKING PEAK REVERSE VOLTAGE	MAXIMUM FORWARD VOLTAGE			MAXIMUM REVERSE LEAKAGE CURRENT AT RATED VOLTAGE		MAXIMUM CAPACITANCE @ V_R = 0 VOLTS f =1.0 MHz
	V_{RWM}	V_F @ 20 mA	V_F @ 200 mA	V_F @ 630 mA	I_R @ +25°C	I_R @ +100°C	C_T
	VOLTS	VOLTS	VOLTS	VOLTS	µA	mA	PICO FARADS
CDLL6675	20	0.37	0.50	0.70	5.0	0.6	50
CDLL6676	30	0.37	0.50	0.70	5.0	0.6	50
CDLL6677	40	0.37	0.50	0.70	5.0	0.6	50
CDLL0.2A20	20	0.37	0.50	0.70	5.0	0.6	50
CDLL0.2A30	30	0.37	0.50	0.70	5.0	0.6	50
CDLL0.2A40	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 @ T_{EC} = +75°C
Derating: 6.67 mA / °C above T_{EC} = +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_{RWM}	V_F @ 0.1A	V_F @ 0.5A	I_R @ +25°C	I_R @ +100°C	C_T
	VOLTS	VOLTS	VOLTS	µA	mA	PICO FARADS
CDLL0.5A20	20	0.50	0.65	10.0	1.0	50
CDLL0.5A30	30	0.50	0.65	10.0	1.0	50
CDLL0.5A40	40	0.50	0.65	10.0	1.0	50



	MILLIMETERS		INCHES	
DIM	MIN	MAX	MIN	MAX
D	1.60	1.70	0.063	0.067
F	0.41	0.55	0.016	0.022
G	3.30	3.70	.130	.146
G1	2.54 REF.		.100 REF.	
S	0.03 MIN.		.001 MIN.	

FIGURE 1

DESIGN DATA

CASE: DO-213AA, Hermetically sealed glass case. (MELF, SOD-80, LL34)

LEAD FINISH: Tin / Lead

THERMAL RESISTANCE: ($R_{\Theta JEC}$): 100 ÞC/W maximum at L = 0 inch

THERMAL IMPEDANCE: (Z_{JX}): 20 ÞC/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.

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CDLL6675 thru CDLL6677
and
CDLL0.2A20 thru CDLL0.2A40
and
CDLL0.5A20 thru CDLL0.5A40

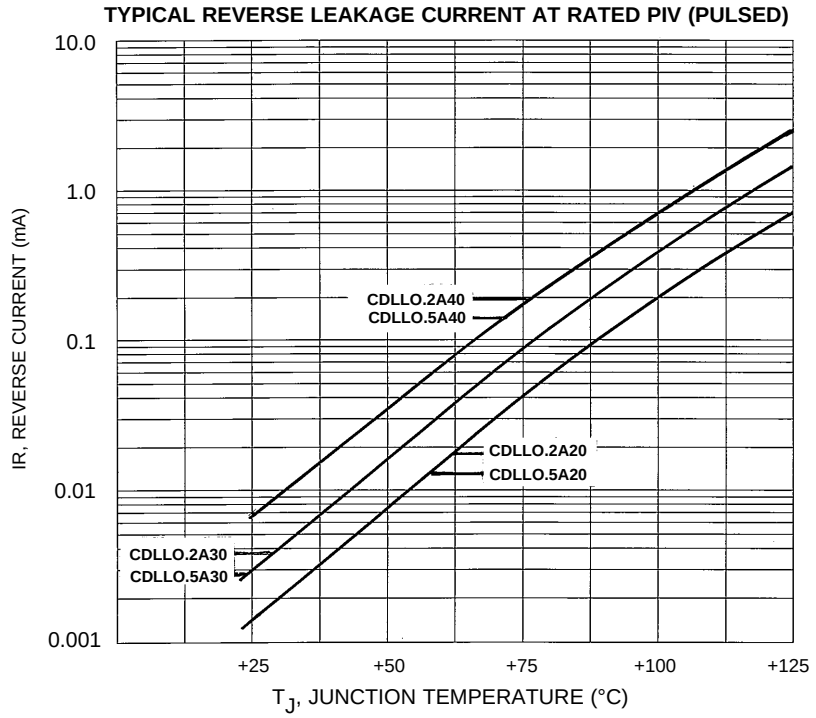

FIGURE 1

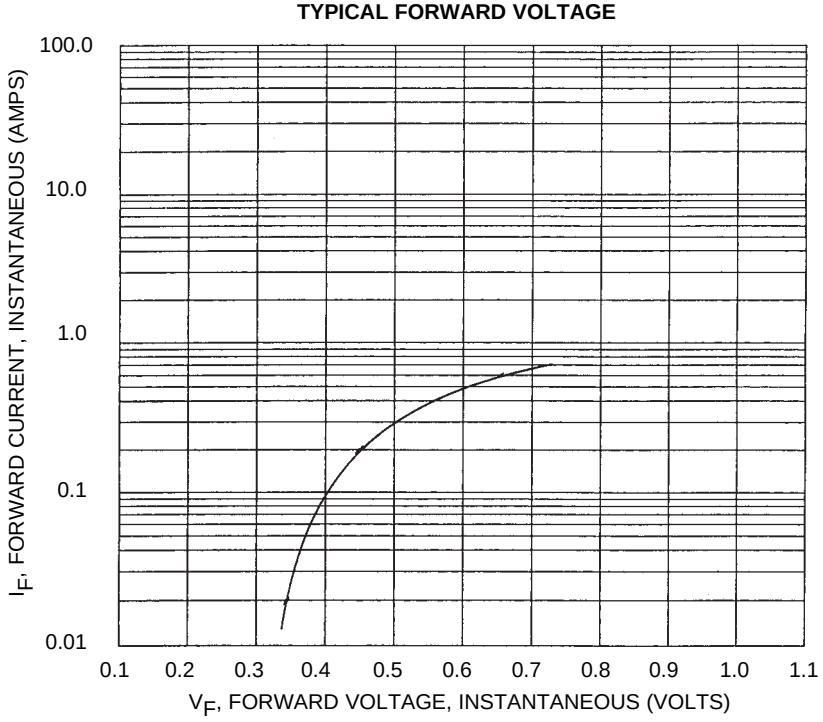

FIGURE 2