TECHNICAL DATA SHEET

6 Lake Street, Lawrence, MA 01844
1-800-446-1158 / (978) 794-1666 / Fax: (978) 689-0803
Website: http: //www.microsemi.com

SWITCHING DIODE **– METALLURGICALLY BONDED**
– HERMETICALLY SEALED
– DOUBLE PLUG CONSTRUCTION

Qualified per MIL-PRF-19500/241

DEVICES

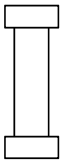
1N3595AUR-1 **LL3595A** **MLL3595A**

LEVELS

JAN
JANTX
JANTXV

MAXIMUM RATING AT 25°C

Operating Temperature:	-65°C to +175°C
Storage Temperature:	-65°C to +175°C
Surge Current A, sine 1S:	500mA
Surge Current A, sine 1µS:	4A
Total Power Dissipation:	500mW
Operating Current:	150mA, T_A = +25°C
D.C. Reverse Voltage (VRWM):	125V



DO-213AA

DC ELECTRICAL CHARACTERISTICS

V_F				I_R				V_{BR}			
Ambient (°C)	I_F mA	Min V	Max V	Ambient (°C)	V_R V (dc)	Min µA	Max µA	Ambient (°C)	I_R µA	Min V	Max V
25	1	0.52	0.70	25	125	-	0.002	-55	100	150	-
25	5	0.60	0.765	150	125	-	3				
25	10	0.65	0.80								
25	50	0.74	0.88								
25	100	0.79	0.92								
25	200	0.83	1.00								

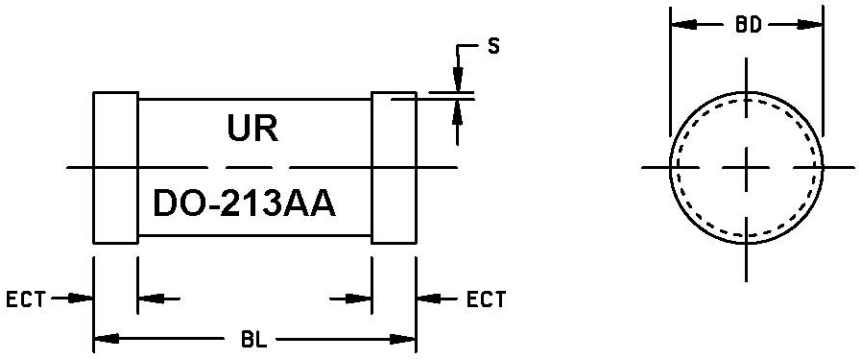
AC ELECTRICAL CHARACTERISTICS AT 25°C

	Min	**Max**	**Unit**
Capacitance @ 0V	-	8.0	pF
T_{RR} @ I_F = 10mA V_R = 35V	-	3.0	µsec

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TECHNICAL DATA SHEET

PACKAGE DIMENSIONS



NOTE:

1. Dimensions are in inches.
2. Millimeters are given for general information only.
3. Dimensions are pre-solder dip.
4. Referencing to dimension S, minimum clearance of glass body to mounting surface on all orientations.
5. In accordance with ASME Y14.5M, diameters are equivalent to ϕx symbology.

Ltr	Dimensions				Notes
	Inches		Millimeters		
	Min	Max	Min	Max	
BD	.063	.067	1.60	1.70	
BL	.130	.146	3.30	3.70	
ECT	.016	.022	0.41	0.55	
S	.001 Min		0.03 Min		

DESIGN DATA

Case: Hermetically sealed glass package per MIL-PRF-19500/241 DO-213AA outline

Lead Material: Copper clad steel

Lead Finish: Tin / Lead

Thermal Impedance ($Z_{\theta JX}$): 70°C/W maximum

Polarity: Cathode end is banded

FIGURE 1. **Physical dimensions - 1N3595UR-1, 1N3595AUR-1 (DO-213AA)**