

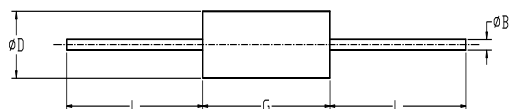
**TECHNICAL DATA**  
**DATA SHEET 5086, REV. A.3**

CHARACTERISTIC	CONDITIONS	MIN	TYP	MAX	UNIT
Forward Voltage	$V_{F1}$ at $I_{F1} = 200$ mA dc	0.83		1.0	V
	$V_{F2}$ at $I_{F2} = 100$ mA dc	0.79		0.92	
	$V_{F3}$ at $I_{F3} = 50$ mA dc	0.74		0.88	
	$V_{F4}$ at $I_{F4} = 10$ mA dc	0.65	-	0.80	
	$V_{F5}$ at $I_{F5} = 5$ mA dc	0.60		0.765	
	$V_{F6}$ at $I_{F6} = 1$ mA dc	0.52		0.70	
Maximum Reverse Leakage Current	$I_{RM1}$ @ $V_{RWM}$	-	-	1	nA dc
	$I_{RM2}$ @ $V_{RWM}$ , $T_A = 150$ °C			3	μA
Breakdown Voltage ( $BV_R$ )	$I_R = 100\mu A$ , $T_A = -55$ °C	150	-	-	V
Junction Capacitance ( $C_J$ )	$V_R = 0V$ dc, $f = 1$ MHz	-	-	8.0	pF

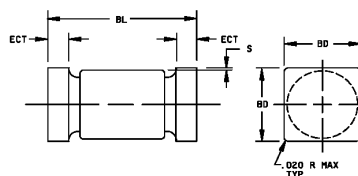
\*Sensitron **space equivalent diodes** are manufactured and screened to MIL-PRF-19500 flow and guidelines starting from wafer fabrication through assembly and testing using our internal specification.

**PACKAGE DIMENSIONS (inches/mm)**

**AXIAL**



**MELF (Add "US")**



**1N3595-1**

PACKAGE STYLE	DIMENSIONS - INCHES ( MILLIMETERS)			
	φB	φD	G	L
DO-35	.018/.022	.056/.075	.140/.180	1.00/1.5
	0.46/0.56	1.42/1.91	3.56/4.57	25.4/38.10

**1N3595US**

PACKAGE STYLE	DIMENSIONS - INCHES ( MILLIMETERS)			
	BL	BD	S	ECT
D-5D	.165/.195	.070/.085	0.003	.019/.028
	4.19/4.95	1.78/2.16	Min	0.48/0.71

**PART ORDERING INFORMATION:**

The following part numbers can be purchased in either axial or surface mount devices and screened and tested to the military screening flow. The parts are marked in accordance with the testing performed, example:

Sensitron Screening Level	*Part Number-- Leaded Package (example for 1N3595-1)	*Part Number-- Surface Mount Package (example for 1N3595US)
<b>1N</b>	1N3595-1	1N3595US
<b>JAN</b>	JAN1N3595-1	JAN1N3595US
<b>JANTX</b>	JANTX1N3595-1	JANTX1N3595US
<b>JANTXV</b>	JANTXV1N3595-1	JANTXV1N3595US
<b>JANS</b>	JANS1N3595-1	JANS1N3595US

\*Parts can also be ordered Tape & Reel

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