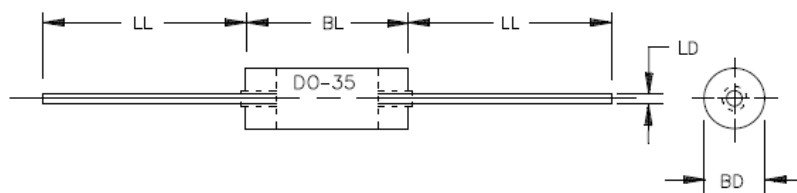


## TECHNICAL DATA DATA SHEET 4081, REV F.1

### PACKAGE DIMENSIONS (inches/mm)

#### AXIAL

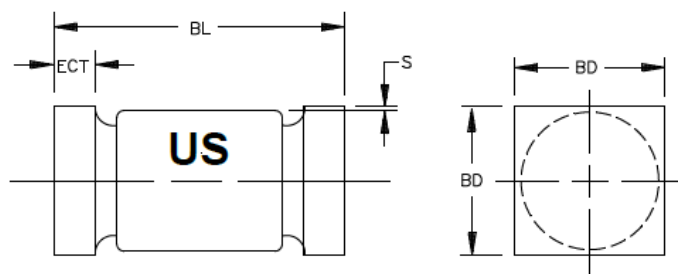


Symbol	Dimensions				Notes
	Inches		Millimeters		
	Min	Max	Min	Max	
BD	.056	.080	1.42	2.03	2
BL	.130	.180	3.30	4.57	
LD	.018	.022	0.46	0.56	3
LL	1.00	1.50	25.40	38.10	

#### NOTES:

1. Dimensions are in inches. Millimeters are given for general information only.
2. Dimension BD shall be measured at the largest diameter.
3. The specified lead diameter applies in the zone between .050 inch (1.27 mm) from the diode body to the end of the lead. Outside of this zone lead shall not exceed BD.
4. In accordance with ASME Y14.5M, diameters are equivalent to  $\Phi$ x symbology.

#### MELF (Add "U" or "US" to Part Number)

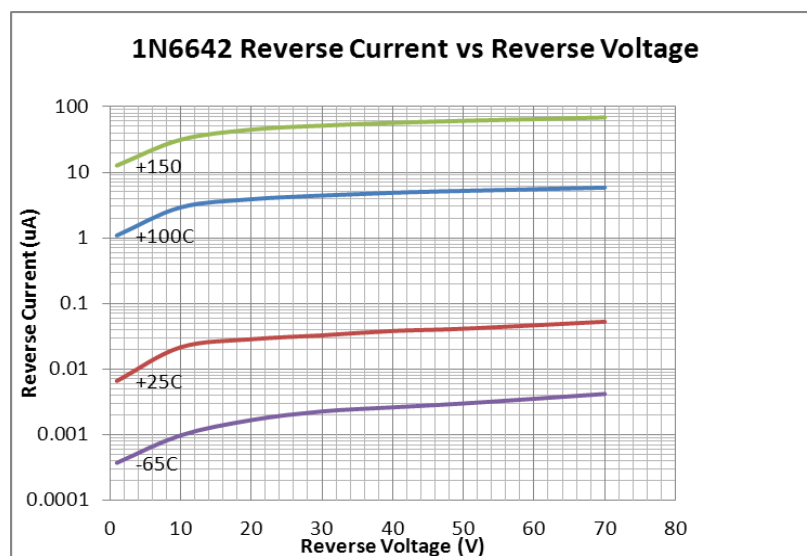
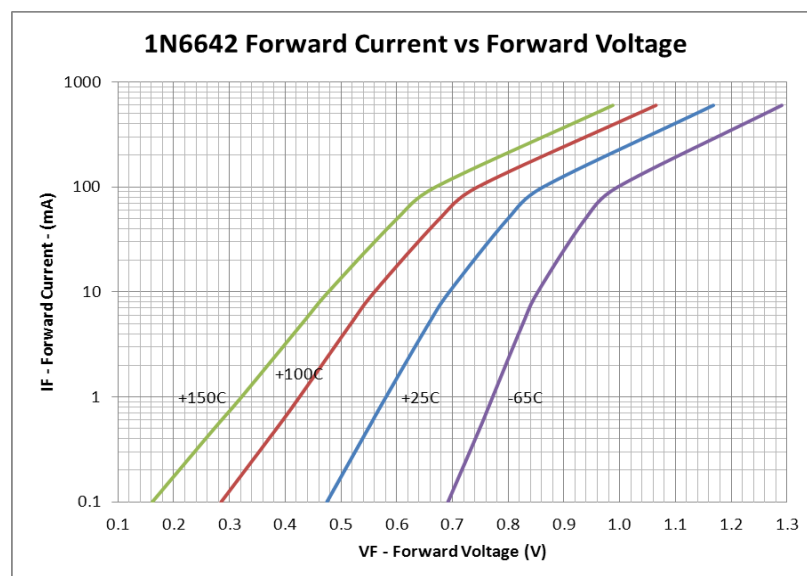


Symbol	Dimensions			
	Inches		Millimeters	
	Min	Max	Min	Max
BD	.070	.085	1.78	2.16
BL	.165	.195	4.19	4.95
ECT	.019	.028	0.48	0.71
S	.003		0.08	

#### NOTES:

1. Dimensions are in inches. Millimeters are given for general information only.
2. Dimensions are pre-solder dip.
3. U-suffix parts are structurally identical to the US-suffix parts.
4. In accordance with ASME Y14.5M, diameters are equivalent to  $\Phi$ x symbology.

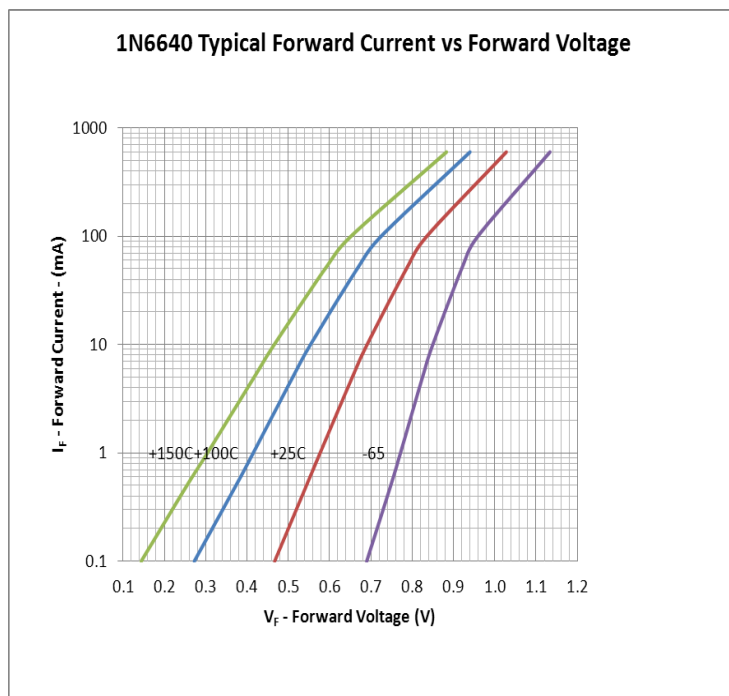


**TECHNICAL DATA  
DATA SHEET 4081 REV F.1****GRAPHS:****For 1N6638, 1N6642, 1N6643:****For 1N6638, 1N6642, 1N6643:**

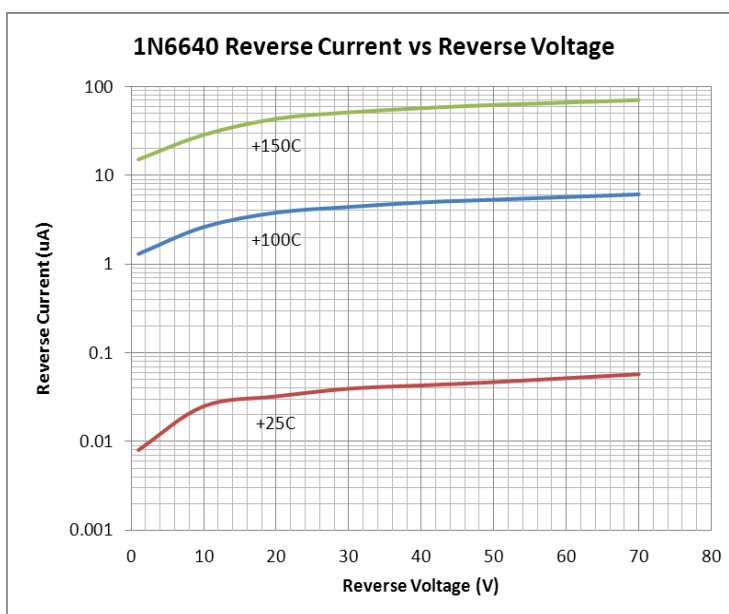


## TECHNICAL DATA DATA SHEET 4081, REV F.1

For 1N6639, 1N6640, 1N6641:



For 1N6639, 1N6640, 1N6641:





## TECHNICAL DATA DATA SHEET 4081, REV F.1

## PART ORDERING INFORMATION

Quality Level	*Part Number-- Leaded Package (example for 1N6638)	*Part Number-- Surface Mount Package (example for 1N6638US)
<b>1N</b>	1N6638	1N6638US, 1N6638U
<b>JAN</b>	JAN1N6638	JAN1N6638US, JAN1N6638U
<b>JANTX</b>	JANTX1N6638	JANTX1N6638US, JANTX1N6638U
<b>JANTXV</b>	JANTXV1N6638	JANTXV1N6638US, JANTXV1N6638U
<b>JANS</b>	JANS1N6638	JANS1N6638US, JANS1N6638U

\*Parts can also be ordered Tape & Reel

### DISCLAIMER:

1- The information given herein, including the specifications and dimensions, is subject to change without prior notice to improve product characteristics. Before ordering, purchasers are advised to contact the Sensitron Semiconductor sales department for the latest version of the datasheet(s).

2- In cases where extremely high reliability is required (such as use in nuclear power control, aerospace and aviation, traffic equipment, medical equipment, and safety equipment), safety should be ensured by using semiconductor devices that feature assured safety or by means of users' fail-safe precautions or other arrangement.

3- In no event shall Sensitron Semiconductor be liable for any damages that may result from an accident or any other cause during operation of the user's units according to the datasheet(s). Sensitron Semiconductor assumes no responsibility for any intellectual property claims or any other problems that may result from applications of information, products or circuits described in the datasheets.

4- In no event shall Sensitron Semiconductor be liable for any failure in a semiconductor device or any secondary damage resulting from use at a value exceeding the absolute maximum rating.

5- No license is granted by the datasheet(s) under any patents or other rights of any third party or Sensitron Semiconductor.

6- The datasheet(s) may not be reproduced or duplicated, in any form, in whole or part, without the expressed written permission of Sensitron Semiconductor.

7- The products (technologies) described in the datasheet(s) are not to be provided to any party whose purpose in their application will hinder maintenance of international peace and safety nor are they to be applied to that purpose by their direct purchasers or any third party. When exporting these products (technologies), the necessary procedures are to be taken in accordance with related laws and regulations.