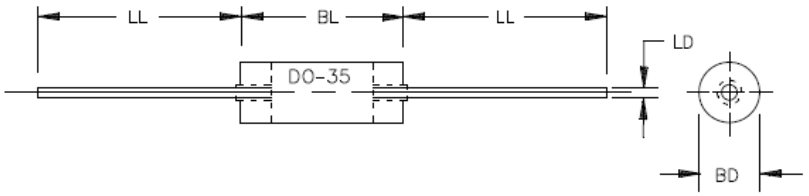
TECHNICAL DATA
DATA SHEET 4081, REV F.1

PACKAGE DIMENSIONS (inches/mm)

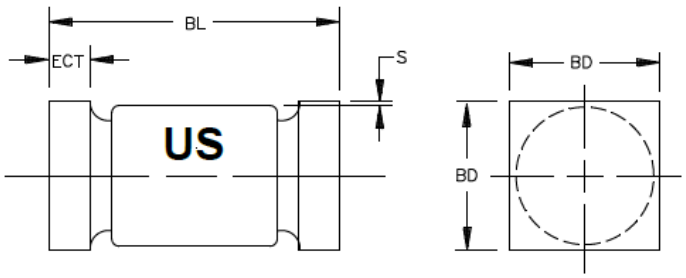
AXIAL



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 Φx 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 Φx symbology.

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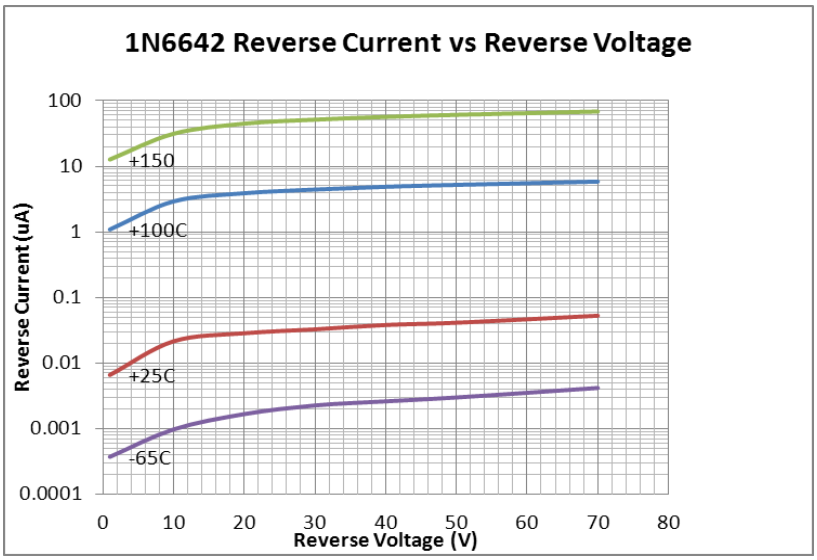
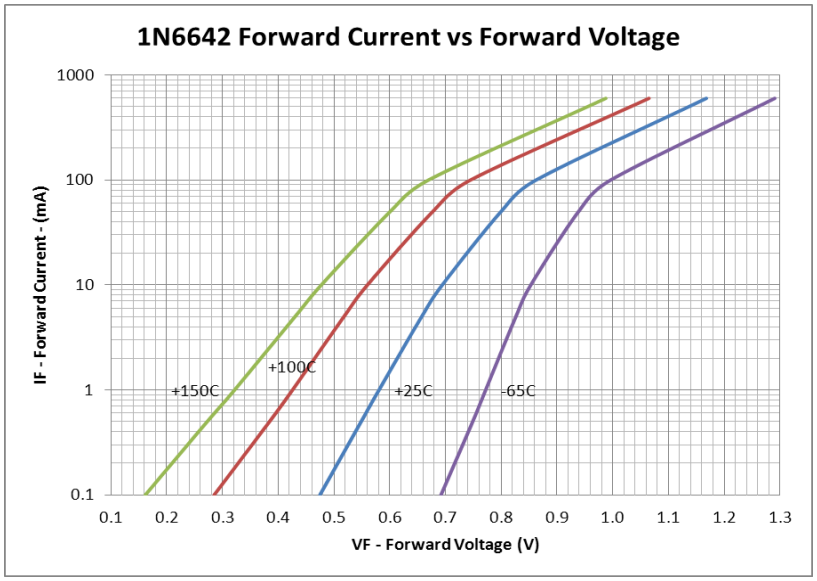
GRAPHS:

For 1N6638, 1N6642, 1N6643:



For 1N6638, 1N6642, 1N6643:



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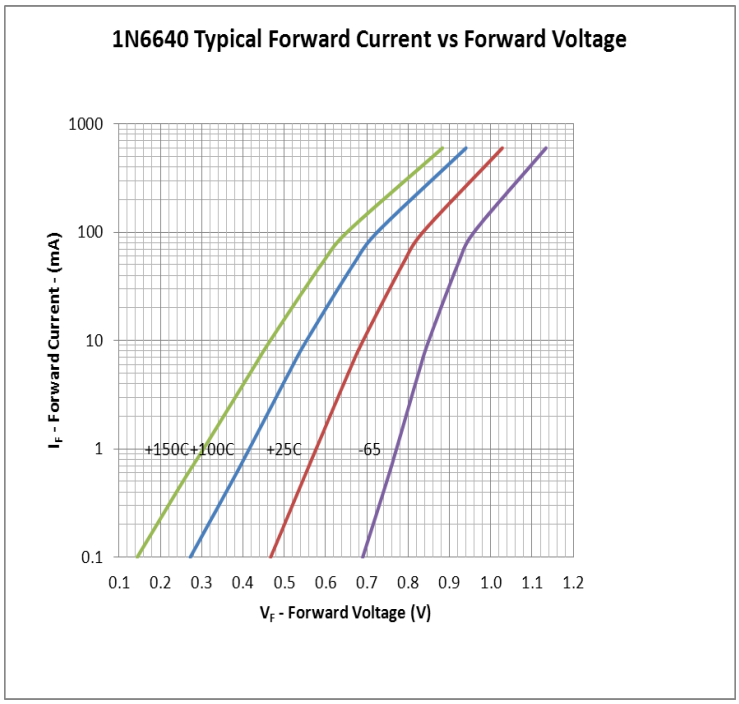
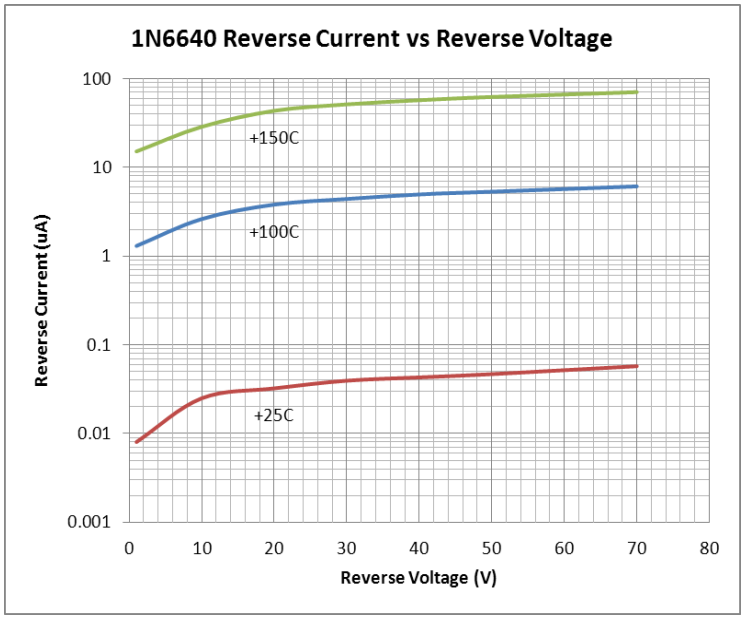
For 1N6639, 1N6640, 1N6641:



For 1N6639, 1N6640, 1N6641:



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PART ORDERING INFORMATION

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

**Parts can also be ordered Tape & Reel*