

**SENSITRON**  
**SEMICONDUCTOR**

1N6638/ U/ US  
1N6640/ US  
1N6642/ U/ US

**TECHNICAL DATA**  
**DATA SHEET 4081, REV. B**

SJ
SX
SV

**SIGNAL OR COMPUTER DIODE 1N6638, 1N6640, 1N6642**

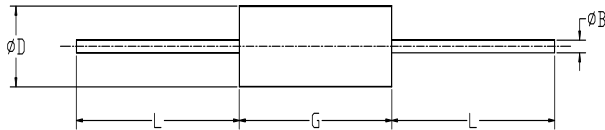
- Switching Diode
- Hermetic, non-cavity glass package
- Metallurgically bonded
- Manufacture & screen to TX/TXV/JANS per MIL-PRF-19500/578,609 using Sensitron specification, 7700-409X

Physical dimensions: Axial lead similar to DO-35 and surface mount similar to (D-5D)

Maximum ratings  $T_A = +25^\circ\text{C}$ :

Types	$V_{BR}$	$V_{RWM}$	$I_o$	$I_{FSM}$ $T_p = 1/120s$	$T_{STG}, T_J$	$R_{\theta JL}$ $L = .375$	$R_{\theta JEC}$ $L = 0$	$Z_{\theta JX}$
	V(pk)	V(pk)	MA	A(pk)	$^\circ\text{C}$	$^\circ\text{C/W}$	$^\circ\text{C/W}$	$^\circ\text{C/W}$
1N6638, 1N6638U	150	125	300	2.5	-65 to +175	150	40	25
1N6640, 1N6640U	75	50	300	2.5	-65 to +175	150	40	25
1N6642, 1N6642U	100	75	300	2.5	-65 to +175	150	40	25

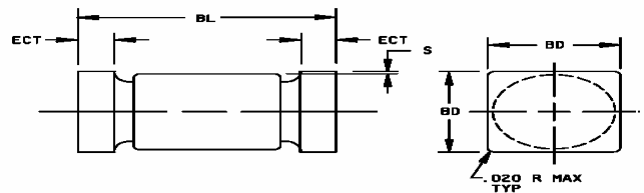
**AXIAL**



**1N6638 thru 1N6643**

PACKAGE	DIMENSIONS - INCHES (MILLIMETERS)			
STYLE	$\phi B$	$\phi D$	G	L
DO-35	.018/.022 0.46/0.56	.056/.080 1.42/2.03	.130/.180 3.30/4.57	1.00/1.50 25.4/38.10

**MELF**



**1N6638U thru 1N6643U**

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

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