

SENSITRON
SEMICONDUCTOR

SS6638/ U/ US
SS6640/ US
SS6642/ U/ US

TECHNICAL DATA
DATA SHEET 4973, REV. B

SIGNAL OR COMPUTER DIODE SS6638, SS6640, SS6642

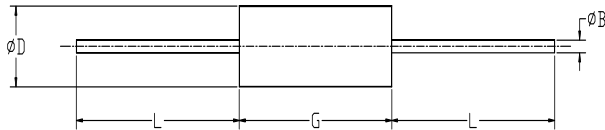
- Switching Diode
- Hermetic, non-cavity glass package
- Metallurgically bonded
- Manufacture & screen to TX/TXV/JANS per MIL-PRF-19500/578,609 using Sensitron specification, 7700-409X

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)	$^\circ\text{C}$	$^\circ\text{C/W}$	$^\circ\text{C/W}$	$^\circ\text{C/W}$
SS6638,SS6638U	150	125	300	2.5	-65 to +175	150	40	25
SS6640,SS6640U	75	50	300	2.5	-65 to +175	150	40	25
SS6642,SS6642U	100	75	300	2.5	-65 to +175	150	40	25

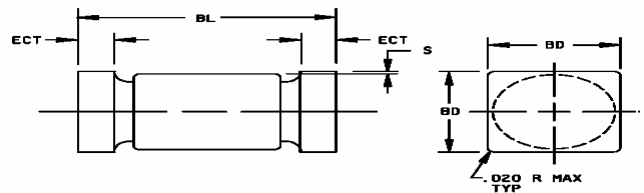
AXIAL



1N6638 thru 1N6643

PACKAGE	DIMENSIONS - INCHES (MILLIMETERS)			
STYLE	ϕB	ϕD	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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TECHNICAL DATA
DATA SHEET 4081, REV. B

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