

SENSITRON
SEMICONDUCTOR

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

TECHNICAL DATA
DATA SHEET 4973, REV. B

SIGNAL OR COMPUTER DIODE SS6638, SS6640, SS6642

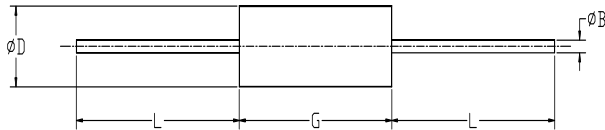
- Switching Diode
- Hermetic, non-cavity glass package
- Metallurgically bonded
- Manufacture & screen to TX/TXV/JANS per MIL-PRF-19500/578,609 using Sensitron specification, 7700-409X

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 |

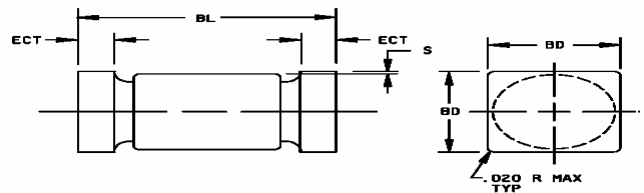
AXIAL



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 |

TECHNICAL DATA
DATA SHEET 4081, REV. B

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