

Process Change Notice

Parts Affected:

Surface mount Zener diodes and switching diodes packaged in the SOD-80, hermetically sealed, leadless, glass case.

Extent of Change:

Devices that are presently packaged in the SOD-80 case are being manufactured in the epoxy molded SOD-123 case.

Reason for Change:

Based on feedback received from customers using automated pick and place processes, the SOD-80, leadless, glass case is difficult to handle due to its cylindrical shape and may have the tendency to “roll” during automated PCB processing. The SOD-123, flat, epoxy molded, hexahedron shaped case provides a more stable platform for automated PCB processing as compared to the SOD-80 case. **See Figures 1 and 2.**

Effect of Change:

Operating and Storage Junction Temperature Range (SOD-80 Case)	-65°C to +200°C
Operating and Storage Junction Temperature Range (SOD-123 Case)	-65°C to +150°C

This change does not affect the electrical characteristics of any device.
The SOD-123 case utilizes the same mounting pad geometry as the SOD-80 case. **See Figure 3.**

Effective Date of Change:

Q2 2004

Sample Availability:

Please contact Salesperson or Manufacturer’s Representative.

Part Numbers Affected:

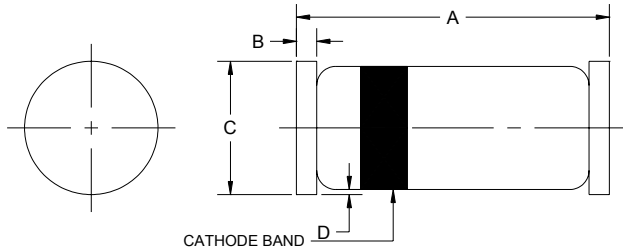
Central Part # (SOD-80 Case)

CLL4099 thru CLL4125
CLL4614 thru CLL4627
CLL4678 thru CLL4717
CLL457A
CLL459A

Central Part # (SOD-123 Case)

CMHZ4099 thru CMHZ4125
CMHZ4614 thru CMHZ4627
CMHZ4678 thru CMHZ4717
CMHD457A
CMHD459A

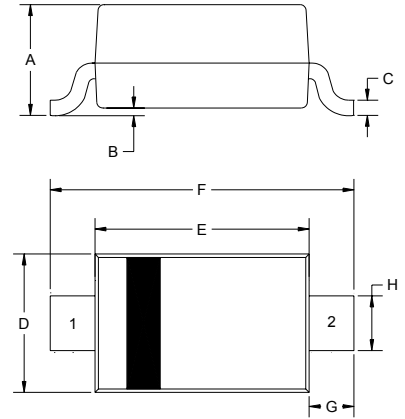
Figures:



DIMENSIONS				
SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.130	0.146	3.30	3.71
B	0.016		0.41	
C (DIA)	0.051	0.067	1.30	1.70
D	-	0.004	-	0.10

SOD-80 (REV:R1)

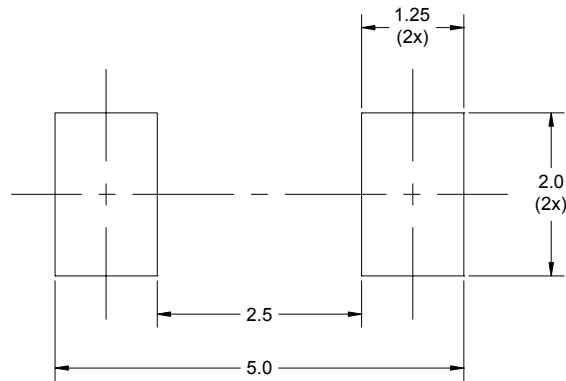
Figure 1: SOD-80 Mechanical Outline



DIMENSIONS				
SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.037	0.053	0.95	1.35
B	0.000	0.005	0.00	0.12
C	-	0.008	-	0.20
D	0.055	0.071	1.40	1.80
E	0.098	0.110	2.50	2.80
F	0.142	0.154	3.60	3.90
G	0.016	-	0.40	-
H	0.020	0.028	0.50	0.70

SOD-123 (REV:R4)

Figure 2: SOD-123 Mechanical Outline



(Dimensions in mm)

Figure 3: SOD-80 and SOD-123 Mounting Pad Geometry