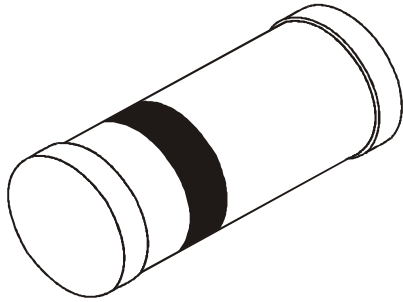


**HIGH SPEED SILICON DIODES**



**CLL458A**  
**CLL459A**  
**SOD - 80C**  
**Mini MELF (LL- 34 )**

**Polarity: Cathode is indicated by a black band**

**Hermetically Sealed, Glass Silicon Diodes**

**ABSOLUTE MAXIMUM RATINGS**

DESCRIPTION	SYMBOL	CLL458A	CLL459A	UNIT
Peak Repetitive Reverse Voltage	$V_{RRM}$	180	200	V
Reverse Voltage	$V_R$	150	175	V
Forward Current	$I_F$		200	mA
Average Rectified Current	$I_O$		200	mA
Power Dissipation	$P_D$		500	mW
Operating and Storage Junction Temperature Range	$T_j, T_{stg}$	- 65 to +200		° C

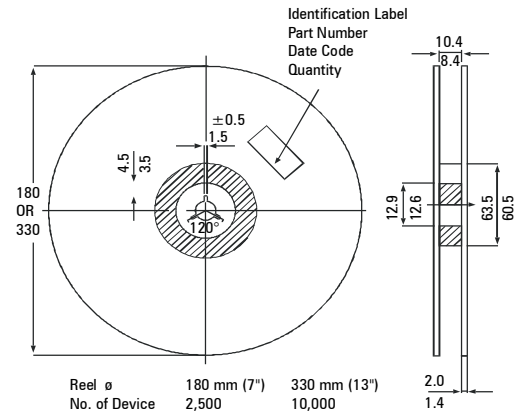
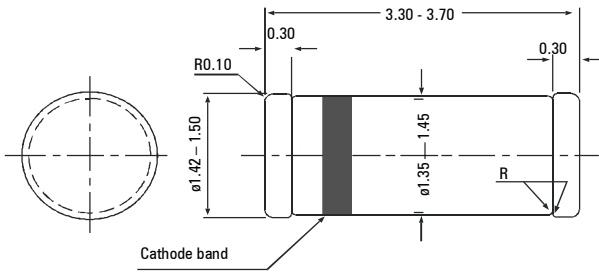
**ELECTRICAL CHARACTERISTICS (Ta=25° C unless specified otherwise)**

DESCRIPTION	SYMBOL		MIN	MAX	UNIT
Forward Voltage	$V_F$	$I_F=50\text{ mA}$	-	0.90	V
		$I_F=150\text{ mA}$	-	0.98	V
		$I_F=200\text{ mA}$	-	1.0	V
		$I_F=300\text{ mA}$	-	1.1	V
Reverse Current	$I_R$	<b>CLL458A</b> $V_R=150\text{V}$	-	20	nA
		<b>CLL459A</b> $V_R=175\text{V}$	-	20	nA
Reverse Breakdown Voltage	$V_{RRM}$	$I_R=100\mu\text{A}$			
		<b>CLL458A</b>	180	-	V
		<b>CLL459A</b>	200	-	V
Reverse Recovery Time When Switched From	$t_{rr}$	$I_F=I_R=10\text{mA}$ , Recovery to 1.0mA	-	3.0	$\mu\text{s}$

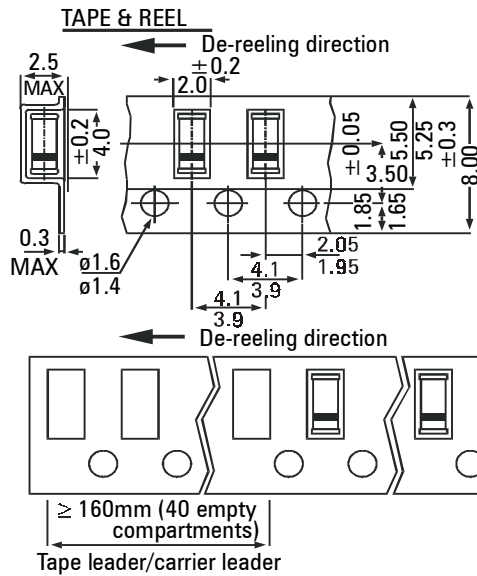
CLL458A  
CLL459A

SOD - 80C  
Mini MELF (LL- 34 )

SOD 80C (LL-34) Mini MELF Hermetically Sealed Glass Package



All dimensions are in mm



Notes :-

1. Maximum of 0.5% of the total number of components per reel may be missing-exclusively at the beginning and at the end of the reel.
2. A maximum of three consecutive components may be missing, provided this gap is followed by six consecutive components.

Packing Detail

PACKAGE	STANDARD PACK		INNER CARTON BOX		OUTER CARTON BOX		
	Details	Net Weight/Qty	Size	Qty	Size	Qty	Gr Wt
SOD-80C T&R	2.5K/reel	100 gm/3K pcs	3" x 7.5" x 7.5"	10.0K	17" x 15" x 13.5"	160.0K	10 kgs
	10K/reel	400 gm/10K pcs	13" x 13" x 0.5"	10.0K	17" x 15" x 13.5"	300.0K	15 kgs

### **Disclaimer**

The product information and the selection guides facilitate selection of the CDIL's Discrete Semiconductor Device(s) best suited for application in your product(s) as per your requirement. It is recommended that you completely review our Data Sheet(s) so as to confirm that the Device(s) meet functionality parameters for your application. The information furnished in the Data Sheet and on the CDIL Web Site/CD is believed to be accurate and reliable. CDIL however, does not assume responsibility for inaccuracies or incomplete information. Furthermore, CDIL does not assume liability whatsoever, arising out of the application or use of any CDIL product; neither does it convey any license under its patent rights nor rights of others. These products are not designed for use in life saving/support appliances or systems. CDIL customers selling these products (either as individual Discrete Semiconductor Devices or incorporated in their end products), in any life saving/support appliances or systems or applications do so at their own risk and CDIL will not be responsible for any damages resulting from such sale(s).

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