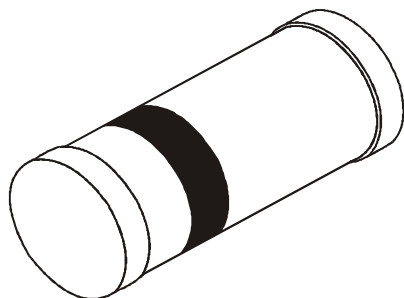


SMALL SIGNAL SCHOTTKY DIODES

LL101A, LL101B
LL101C

SOD - 80C
Mini MELF (LL- 34)



For General Purpose Applications

ABSOLUTE MAXIMUM RATINGS

DESCRIPTION	SYMBOL	LL101A	LL101B	LL101C	UNIT
Peak Reverse Voltage	V_{RRM}	60	50	40	V
Power Dissipation (Infinite Heat Sink)	$*P_D$	400			mW
Maximum Single Cycle Surge 10ms Square Wave	I_{FSM}	2.0			A
Junction Temperature	T_J	125			°C
Storage Temperature Range	T_{stg}	- 55 to +150			°C

*Vaild Provided that Electrodes are Kept at Ambient Temperature

ELECTRICAL CHARACTERISTICS (Rating @ $T_a=25^{\circ}\text{C}$ unless otherwise specified)

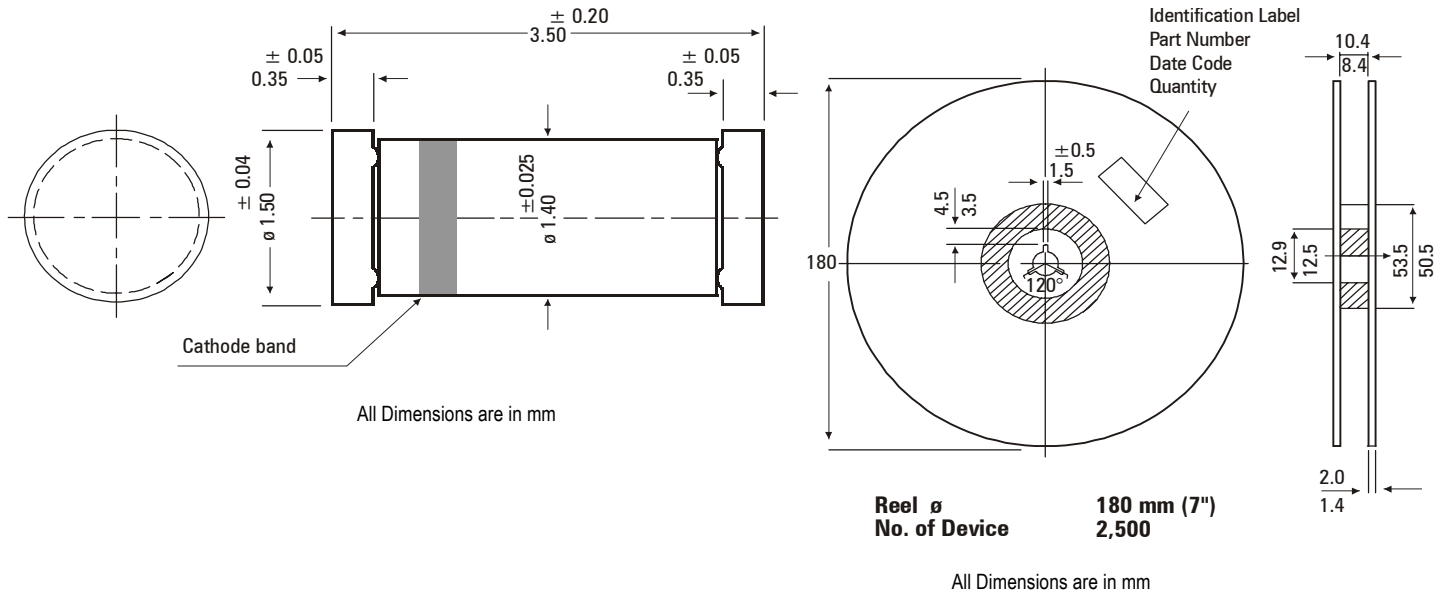
DESCRIPTION	SYMBOL	TEST CONDITION	MIN	MAX	UNIT
Reverse Breakdown Voltage	V_{RRM}	$I_R=10\mu\text{A}$ LL101A	60		V
		LL101B	50		V
		LL101C	40		V
Leakage Current	I_R	$V_R=50\text{V}$ LL101A		200	nA
		$V_R=40\text{V}$ LL101B		200	nA
		$V_R=30\text{V}$ LL101C		200	nA
Forward Voltage	V_F	$V_F=1\text{mA}$ LL101A		0.41	V
		LL101B		0.40	V
		LL101C		0.39	V
Forward Voltage		$V_F=15\text{mA}$ LL101A		1.0	V
		LL101B		0.95	V
		LL101C		0.90	V
Junction Capacitance	C_J	$V_R=0\text{V}$, $f=1\text{MHz}$ LL101A		2.0	pF
		LL101B		2.1	pF
		LL101C		2.2	pF
Reverse Recovery Time	t_{rr}	$I_F=10\text{mA}$, to $I_R=5\text{mA}$, Recover to $0.1 I_R$		1.0	ns

LL101A_LL101CRev290305E

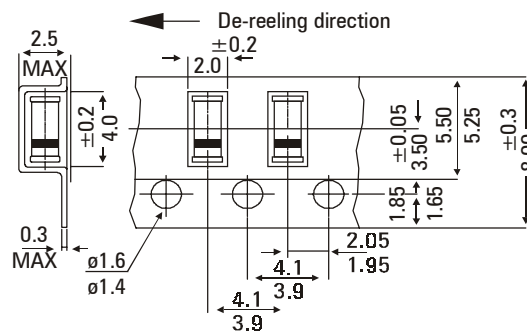
LL101A, LL101B
LL101C

SOD - 80C
Mini MELF (LL-34)

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

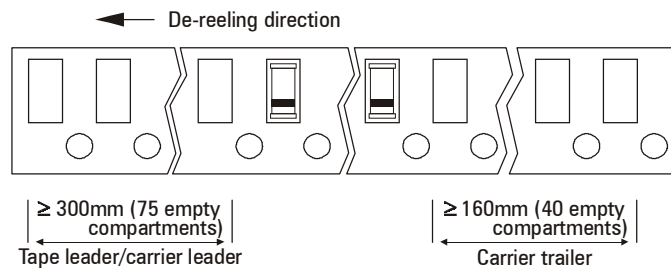


TAPE & REEL



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.



All Dimensions are in mm

Drawings are not to scale

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	225 gm/2.5K pcs	9" x 9" x 9"	40K	18" x 12" x 10" 19" x 19" x 20"	80K 320K	7.2 kgs 28.8 kgs

Component Disposal Instructions

1. CDIL Semiconductor Devices are RoHS compliant, customers are requested to please dispose as per prevailing Environmental Legislation of their Country.
2. In Europe, please dispose as per EU Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE).

Customer Notes

Disclaimer

The product information and the selection guides facilitate selection of the CDIL's 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 are 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).

CDIL strives for continuous improvement and reserves the right to change the specifications of its products without prior notice.



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