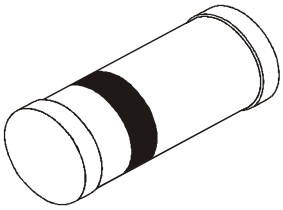
HIGH VOLTAGE SURFACE MOUNT SWITCHING DIODES

BAV101, BAV102
BAV103

SOD - 80C
Mini MELF (LL- 34)



Fast Speed Switching Diodes

ABSOLUTE MAXIMUM RATINGS

DESCRIPTION	SYMBOL	BAV101	BAV102	BAV103	UNIT
Reverse Voltage	V_R	100	150	200	V
Repetitive Peak Reverse Voltage	V_{RRM}	120	200	250	V
Average Rectified Current, Half wave Rectification With Resistive Load and f >=50Hz	I_O	200			mA
Peak Forward Surge Current t=1 s	I_{FSM}	1.0			A
Power Dissipation up to T_j=25ºC	P_D	300			mW
Operating Junction Storage Temperature Range	T_{stg}	- 65 to +175			ºC

THERMAL RESISTANCE

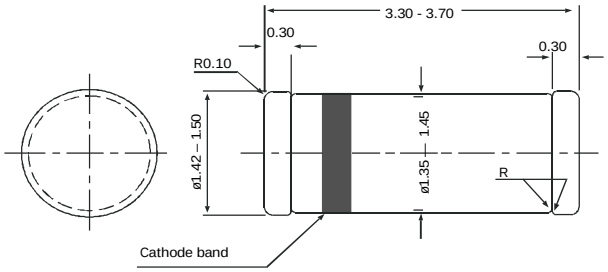
Junction to Ambient in free air	$R_{th\ (j-a)}$	350	ºC/W

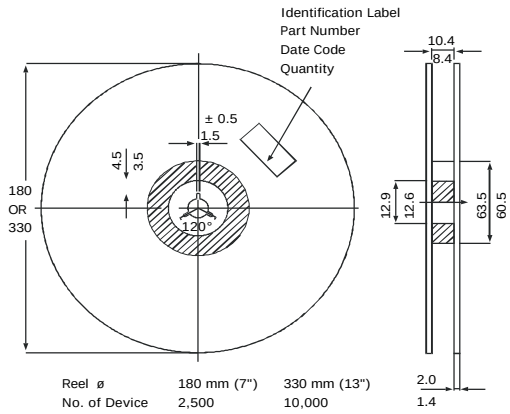
ELECTRICAL CHARACTERISTICS (T_J=25ºC unless otherwise specified)

DESCRIPTION	SYMBOL	TEST CONDITION	MIN	MAX	UNIT
Forward Voltage	V_F	I_F=100mA		1.00	V
Reverse Current	I_R	V_R= V_R max		100	nA
Junction Capacitance	C_J	V_R=0V, f=1MHz	Typ 0.95		pF
Reverse Recovery Time	t_{rr}	I_F=10mA, to I_R=1mA, V_R=6V R_L=100 Ω		75	ns

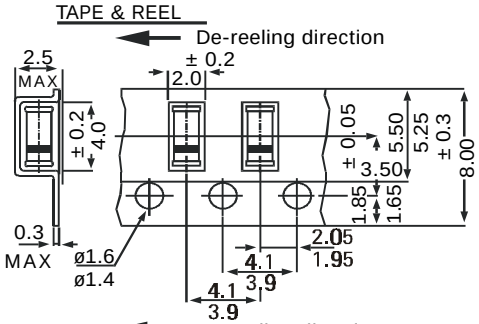
BAV101_103Rev_1 210105E

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

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