

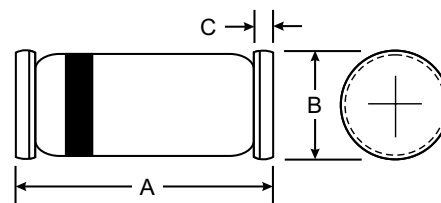


Features

- Ideal for Fast Logic Applications
- High Reliability
- High Conductance

Mechanical Data

- Case: SOD-80, Glass
- Terminals: Solderable per MIL-STD-202, Method 208
- Marking: Cathode Band Only
- Polarity: Cathode Band
- Weight: 0.05 grams (approx.)



LL34/ SOD-80		
Dim	Min	Max
A	3.30	3.70
B	1.30	1.60
C	0.28	0.50
All Dimensions in mm		

Maximum Ratings @ $T_A = 25^\circ\text{C}$ unless otherwise specified

Symbol	Parameter	Value	Units
V_{RRM}	Maximum Repetitive Reverse Voltage	70	V
$I_{F(AV)}$	Average Rectified Forward Current	200	MA
I_{FSM}	Peak Forward Surge Current	1.0	A
	Pulse width = 1.0 second	4.0	A
T_{stg}	Storage Temperature Range	-65 to +200	$^\circ\text{C}$
T_J	Operating Junction Temperature	175	$^\circ\text{C}$

Thermal Characteristics

Symbol	Characteristic	Value	Units
P_D	Total Device Dissipation	500	mW
$R_{\theta JA}$	Thermal Resistance, Junction to Ambient	300	$^\circ\text{C/W}$

Electrical Characteristics $T_A = 25^\circ\text{C}$ unless otherwise noted

Symbol	Parameter	Test Conditions	Min	Max	Units
V_R	Breakdown Voltage	$I_R = 100 \mu\text{A}$	85		V
V_F	Forward Voltage	$I_F = 10 \text{ mA}$		1.0	V
		$I_F = 100 \text{ mA}$		1.0	V
I_R	Reverse Current	$V_R = 60 \text{ V}$		25	nA
		$V_R = 60 \text{ V}, T_A = 150^\circ\text{C}$		5.0	μA
C_T	Total Capacitance	$V_R = 0, f = 1.0 \text{ MHz}$		6.0	pF