BAS85

200 mW LL-34 Hermetically Sealed Glass Fast Switching Schottky Barrier Diode

Specification Features:

- Low Forward Voltage Drop
- LL-34 Package (JEDEC)
- Through-Hole Device Type Mounting
- Hermetically Sealed Glass
- Compression Bonded Construction
- All External Surfaces Are Corrosion Resistant And Leads Are Readily Solderable
- RoHS Compliant
- Solder Hot Dip Tin (Sn) Lead Finish

SURFACE MOUNT LL34 Cathode Band Color: Black

ELECTRICAL SYMBOL

Absolute Maximum Ratings T_A = 25°C unless otherwise noted

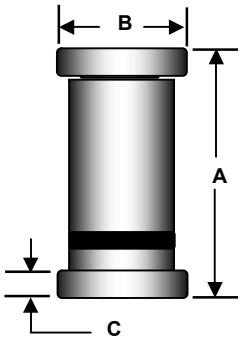
Symbol	Parameter	Value	Units
P_D	Power Dissipation	200	mW
T_{STG}	Storage Temperature Range	-65 to +125	°C
T_J	Operating Junction Temperature	+125	°C
V_{RRM}	Repetitive Peak Reverse Voltage	30	V
V_R	Maximum DC Blocking Voltage	30	V
$I_{F(AV)}$	Average Forward Rectified Current	200	mA
I_{FSM}	Peak Forward Surge Current	4	A

These ratings are limiting values above which the serviceability of the diode may be impaired.

Electrical Characteristics T_A = 25°C unless otherwise noted

Symbol	Parameter	Test Condition	Limits			Unit
			Min	Typ	Max	
B_V	Breakdown Voltage	I_R=10μA	30			Volts
I_R	Reverse Leakage Current	V_R=25V			2	uA
V_F	Forward Voltage	I_F=0.1mA			0.24	
		I_F=1mA			0.32	
		I_F=10mA			0.40	Volts
		I_F=30mA			0.50	
		I_F=100mA			0.80	
T_{RR}	Reverse Recovery Time	I_F=I_R=10mA				
		R_L=100Ω		5		nS
		I_{RR}=1mA				
C	Capacitance	V_R=1V, f=1M$_{HZ}$		7	10	pF

Package Outline



DIM	LL-34			
	Millimeters		Inches	
	Min	Max	Min	Max
A	3.30	3.60	0.130	0.142
B	1.40	1.50	0.055	0.059
C	0.35	0.50	0.014	0.020

Notes:

1. All dimensions are within DO213AC JEDEC standard.
2. LL-34 polarity denoted by cathode band.