

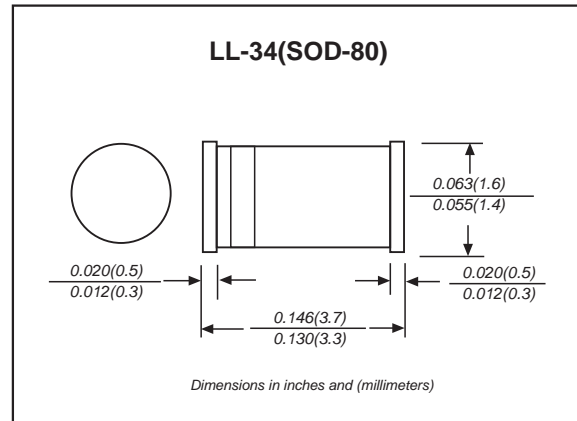
Features

- ◆ Fast Switching Device (TRR <4.0 nS)
- ◆ Power Dissipation of 500mW
- ◆ High Stability and High Reliability
- ◆ Low reverse leakage

Mechanical data

- ◆ Case: LL-34(SOD-80) Glass Case
- ◆ Polarity: Color band denotes cathode end
- ◆ Mounting Position: Any

Package outline



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Maximum Ratings & Thermal Characteristics (Ratings at 25 ambient temperature unless otherwise specified.)

| Parameters | Symbol | Value | Unit |
|---|------------------|---------|------|
| Reverse Voltage | V _R | 75 | V |
| Peak Reverse Voltage | V _{RM} | 100 | V |
| Power Dissipation | P _d | 500 | mW |
| Operating junction temperature | T _j | 150 | |
| Storage temperature range | T _s | -65+175 | |
| Working Inverse Voltage | W _{IV} | 75 | V |
| Average Rectified Current | I _o | 150 | mA |
| Non-repetitive Peak Forward Current | I _{FM} | 450 | mA |
| Peak Forward Surge Current @tp=1s; TA=25 | I _{FSM} | 2.0 | A |

Valid provided that electrodes are kept at ambient temperature.

Electrical Characteristics (Ratings at 25 ambient temperature unless otherwise specified).

| Symbols | Parameter | Test Condition | Limits | | Unit |
|------------|-------------------------|--|-------------|-----------|----------|
| | | | Min | Max | |
| BV | Breakdown Voltage | IR=100uA IR=5uA | 100 75 | | V |
| IR | Reverse Leakage Current | VR=20V VR=75 | --- --- | 25 5 | nA uA |
| VF | Forward Voltage | IF=5mA IF=10mA | 0.62 --- | 0.72 1 | V |
| TRR | Reverse Recovery Time | IF= 10mA, IR=1.0mA RL=100Ω IRR=1mA | --- | 4 | nS |
| C | Capacitance | VR=0V, f=1MHZ | --- | 4 | pF |

Rating and characteristic curves

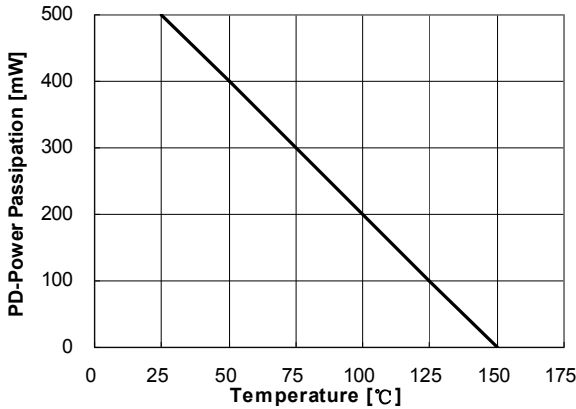


Figure 1. Power Dissipation vs Ambient Temperature
Valid provided leads at a distance of 0.8mm from case are kept at ambient temperature

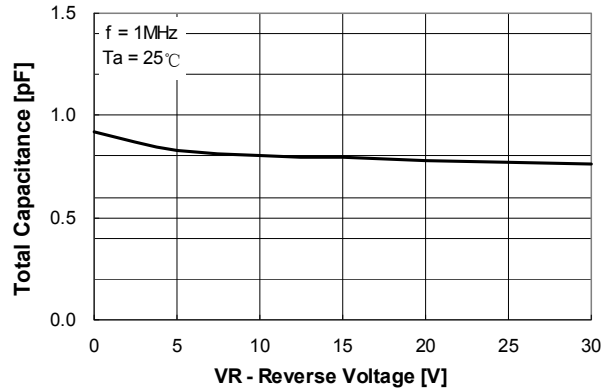


Figure 2. Total Capacitance

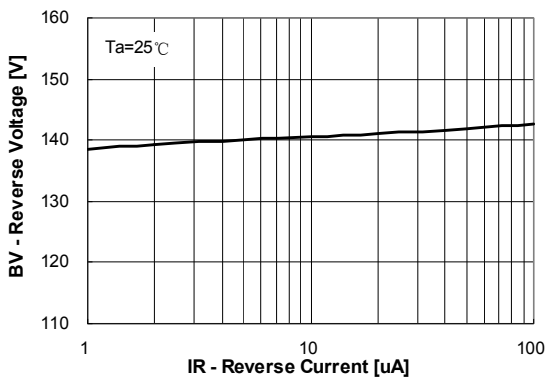


Figure 3. Reverse Voltage vs Reverse Current
BV – 1.0uA to 100uA

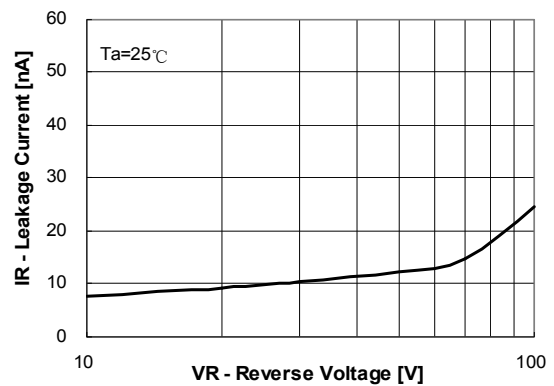


Figure 4. Reverse Current vs Reverse Voltage
IR – 10V to 100V

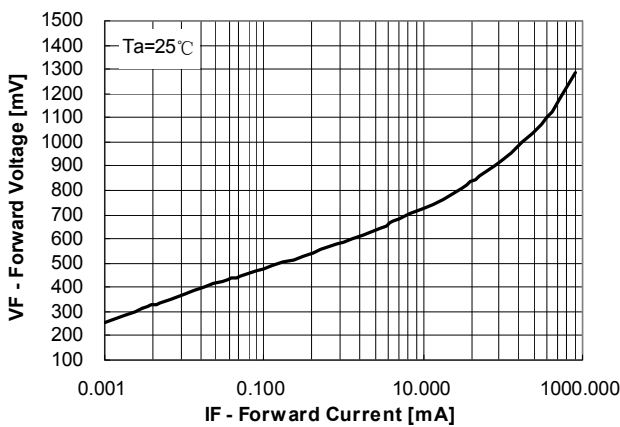


Figure 5. Forward Voltage vs Forward Current
VF – 0.001mA to 800mA

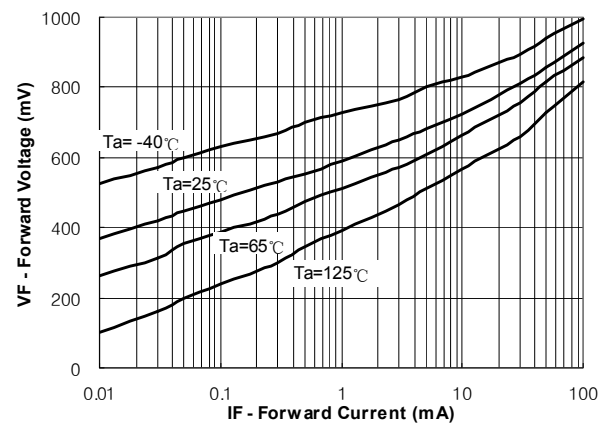


Figure 6. Forward Voltage vs Ambient Temperature
VF – 0.01mA to 100mA (-40 to +125 Deg C)

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Diodes - General Purpose, Power, Switching category](#):

Click to view products by [FUXINSEMI manufacturer](#):

Other Similar products are found below :

[MMBD3004S-13-F](#) [RD0306T-H](#) [BAV17-TR](#) [BAV19-TR](#) [HSC285TRF-E](#) [1N3611](#) [NTE156A](#) [NTE574](#) [NTE6244](#) [1SS181-TP](#) [1SS193,LF](#)
[1SS400CST2RA](#) [SDAA13](#) [SHN2D02FUTW1T1G](#) [LS4151GS08](#) [1N4449](#) [1N456A](#) [1N4934-E3/73](#) [1N914B](#) [1N914BTR](#) [1SS226-TP](#)
[RFUH20TB3S](#) [D291S45T](#) [BAV300-TR](#) [BAW56DWQ-7-F](#) [BAW75-TAP](#) [MM230L-CAA](#) [IDW40E65D1](#) [JAN1N3600](#) [LL4151-GS18](#)
[053684A](#) [SMMSD4148T3G](#) [707803H](#) [NSVDAN222T1G](#) [CDSZC01100-HF](#) [LL4150-M-08](#) [1N4454-TR](#) [BAV199E6433HTMA1](#) [BAS28-7](#)
[BAW56HDW-13](#) [BAS28 TR](#) [VS-HFA04SD60STR-M3](#) [NSVM1MA152WKT1G](#) [RGP30D-E3/73](#) [BAV99TQ-13-F](#) [BAS21DWA-7](#)
[BAV99HDW-13](#) [NTE6250](#) [NTE582-4](#) [NTE582-6](#)