



SYNSEMI SEMICONDUCTOR

- 1N4153** - DO-35 Axial-leaded Package
- 1N4153M** - DO-34 Axial-leaded Package
- LL4153** - LL-34 Surface Mount Package

Device Electrical Characteristics (TA = 25°C unless otherwise noted.)

| Symbol | Parameter | Test Condition | Limits | | Unit |
|-----------------------|-------------------------|--|--|--|-------|
| | | | Min | Max | |
| B_V | Breakdown Voltage | I _R =5μA | 75 | --- | Volts |
| I_R | Reverse Leakage Current | V _R =50V | --- | 50 | nA |
| V_F | Forward Voltage | I _F =100μA I _F =250μA I _F =1mA I _F =2mA I _F =10mA I _F =20mA | 0.490 0.530 0.590 0.620 0.700 0.740 | 0.550 0.590 0.670 0.700 0.810 0.880 | Volts |
| T_{RR} | Reverse Recovery Time | I _F =I _R =10mA R _L =100Ω I _{RR} =1mA | --- | 4 | nS |
| T_{RR} | Reverse Recovery Time | V _R =6.0V I _F =10mA R _L =100Ω I _{RR} =1mA | --- | 2 | nS |
| C | Capacitance | V _R =0V, f=1MHz | --- | 2 | pF |