



SYNSEMI SEMICONDUCTOR

- 1N916B** - DO-35 Axial-leaded Package
- 1N916BM** - DO-34 Axial-leaded Package
- LL916B** - 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       | $I_R=100\mu A$  | 100    | ---   | Volts   |
| $I_R$    | Reverse Leakage Current | $V_R=20V$   | ---    | 25    | nA      |
|          |                         | $V_R=75V$   | ---    | 5     | $\mu A$ |
| $V_F$    | Forward Voltage         | $I_F=5mA$   | 0.630  | 0.730 | Volts   |
|          |                         | $I_F=30mA$  | ---    | 1.0   |         |
| $T_{RR}$ | Reverse Recovery Time   | $V_R=6.0V$<br>$I_F=10mA$<br>$I_{RR}=1.0mA$<br>$R_L=100\Omega$ | ---    | 4     | nS      |
| $C$      | Capacitance             | $V_R=0V, f=1MHz$  | ---    | 2     | pF      |

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