



SYNSEMI SEMICONDUCTOR

- 1N4305** - DO-35 Axial-leaded Package
- 1N4305M** - DO-34 Axial-leaded Package
- LL4305** - LL-34 Surface Mount Package

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

Symbol	Parameter	Test Condition	Limits		Unit
			Min	Max	
<b>B<sub>V</sub></b>	Breakdown Voltage	I <sub>R</sub> =5μA	75	---	Volts
<b>I<sub>R</sub></b>	Reverse Leakage Current	V <sub>R</sub> =50V		100	nA
<b>V<sub>F</sub></b>	Forward Voltage	I <sub>F</sub> =250μA I <sub>F</sub> =1mA I <sub>F</sub> =2mA I <sub>F</sub> =10mA	0.505 0.550 0.610 0.700	0.575 0.650 0.710 0.850	Volts
<b>T<sub>RR</sub></b>	Reverse Recovery Time	V <sub>R</sub> =6.0V I <sub>F</sub> =10mA R <sub>L</sub> =100Ω		2	nS
<b>T<sub>RR</sub></b>	Reverse Recovery Time	I <sub>F</sub> =I <sub>R</sub> =10mA R <sub>L</sub> =100Ω I <sub>RR</sub> =1mA		4	nS
<b>C</b>	Capacitance	V <sub>R</sub> =0V, f=1MHz		2	pF