



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_V	Breakdown Voltage	I _R =5μA	75	---	Volts
I_R	Reverse Leakage Current	V _R =50V		100	nA
V_F	Forward Voltage	I _F =250μA I _F =1mA I _F =2mA I _F =10mA	0.505 0.550 0.610 0.700	0.575 0.650 0.710 0.850	Volts
T_{RR}	Reverse Recovery Time	V _R =6.0V I _F =10mA R _L =100Ω		2	nS
T_{RR}	Reverse Recovery Time	I _F =I _R =10mA R _L =100Ω I _{RR} =1mA		4	nS
C	Capacitance	V _R =0V, f=1MHz		2	pF