



SYNSEMI SEMICONDUCTOR

**1N4446** - DO-35 Axial-leaded Package  
**1N4446M** - DO-34 Axial-leaded Package  
**LL4446** - 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> =100μA	100	---	Volts
		I <sub>R</sub> =5μA	75	---	
<b>I<sub>R</sub></b>	Reverse Leakage Current	V <sub>R</sub> =20V	---	25	nA
<b>V<sub>F</sub></b>	Forward Voltage	I <sub>F</sub> =20mA	---	1.0	Volts
<b>T<sub>RR</sub></b>	Reverse Recovery Time	V <sub>R</sub> =6.0V	---	4	nS
		I <sub>F</sub> =10mA			
		R <sub>L</sub> =100Ω			
		I <sub>RR</sub> =1mA			
<b>C</b>	Capacitance	V <sub>R</sub> =0V, f=1MHz	---	4	pF