

Type of Diode

<p>Diode</p> <p>Schematic Symbol</p> <p>Component</p> <p>Operating Bias</p> <p>Characteristics</p> <p>Application</p>	<p>PN Junction Diode</p> <p>Forward Bias</p> <p>Rectifier</p> <p>Positive Cycle: D_1 is forward bias and conducts. Negative Cycle: D_2 is reverse bias and do not conduct.</p>	<p>Light Emitting Diodes (LED)</p> <p>Forward Bias</p> <p>LED Type of Colour</p>	<p>Photo diodes</p> <p>Reverse Bias</p> <p>Light Detector</p>	<p>Tunnel Diode</p> <p>Forward Bias</p> <p>Oscillator</p>	<p>Schottky Diode</p> <p>Forward Bias</p> <p>Schottky Diode Rectifier</p> <p>Positive Cycle: D_1 is forward bias and conducts. Negative Cycle: D_2 is reverse bias and do not conduct.</p>	<p>PIN Diode</p> <p>Reverse Bias</p> <p>RF Attenuation</p>
	<p>Zener Diode</p> <p>Reverse Bias</p> <p>Voltage Regulator</p> <p>Used as constant DC Output</p>	<p>Laser Diode</p> <p>Forward Bias</p> <p>Light Source</p>	<p>Gunn Diode</p> <p>Forward Bias</p> <p>Oscillator at Microwave Frequencies</p>	<p>Varactor Diode</p> <p>Forward Bias</p> <p>Frequency Modulator</p>	<p>Shockley Diode</p> <p>Forward Bias</p> <p>As Trigger Switch</p>	

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<p>36152 Diode & Zener diode characteristics</p>	<p>36153 Transistor Characteristics</p>	<p>36159 Determination of band gap in semiconductor</p>	<p>36169 Semi-Conductor Diode Characteristics</p>	<p>36182 Junction Diode Rectifier & Filter Characteristics</p>	<p>36232 Behavior of Light Emitting Diode</p>	<p>36325 Basic Electronic Trainer</p>	<p>36326 Power & Differential Amplifier Trainer</p>
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