

pn-junction, under dark conditions

	No Bias	Forward Bias	Reverse Bias
Model Circuit			
Band Diagram	<p>E p-type n-type</p> <p>e⁻ diffusion: e⁻ drift:</p>	<p>E p-type n-type</p> <p>e⁻ diffusion: e⁻ drift:</p>	<p>E p-type n-type</p> <p>e⁻ diffusion: e⁻ drift:</p>
I-V Curve			

pn-junction, illuminated

	No Bias	Forward Bias	Reverse Bias
Model Circuit			
Band Diagram	<p>E p-type n-type</p> <p>e^- diffusion: e^- drift: ill. current:</p>	<p>E p-type n-type</p> <p>e^- diffusion: e^- drift: ill. current:</p>	<p>E p-type n-type</p> <p>e^- diffusion: e^- drift: ill. current:</p>
I-V Curve			

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2.627 Fundamentals of Photovoltaics
Fall 2013

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