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Rectifier	Ideal V _{DC}	Realistic V _{DC}
Half Wave Rectifier	$V_{\rm DC} = 0.318 V_m$	$V_{\rm DC} = 0.318 V_m - 0.7$
Bridge Rectifier	$V_{\rm DC} = 0.636 V_m$	$V_{\rm DC} = 0.636 V_m - 2(0.7 \text{ V})$
Center-Tapped Transformer Rectifier	$\mathbf{V_{DC}} = 0.636 V_m$	$V_{\rm DC} = 0.636 V_m - 0.7 \ { m V}$

In the center tapped transformer rectifier circuit, the peak AC voltage is the transformer secondary voltage to the tap.





























