

# Experiment 5:

## Diode Rectifier Circuits

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### Pre-Lab Report

#### A. Rectifier Design Characteristics

Name the most important characteristics which must be specified for a rectifier circuit

#### B. Full Wave Rectifier with Capacitor (Fig.4)

Calculate the values of  $V_r$  and  $V_{DC}$  using the approximate relations in the Theory section.

C( $\mu$ F)	RL=680 $\Omega$		RL=2.2K $\Omega$	
	$V_{DC}$	$V_r$	$V_{DC}$	$V_r$
1				
22				
100				
1000				