Lat 4 Diode applications Eggsp net - Bread board - Dual power rupply - Harolfeld DMM - Berch-top DMM - andog Discovery Components - 100 a resistor - 470-a - 1K.a - 2.2 K.a. " - 100 K.a. " - 100 K.a. " - 100 pF Capacitor - 1000 liF - INgý diode - IN4001 rectific diodes - Perform all calculations before lat

- Design challenge

- ren multisin simulations of each rescuit Continued to page TURE 3/21/22

BOOK

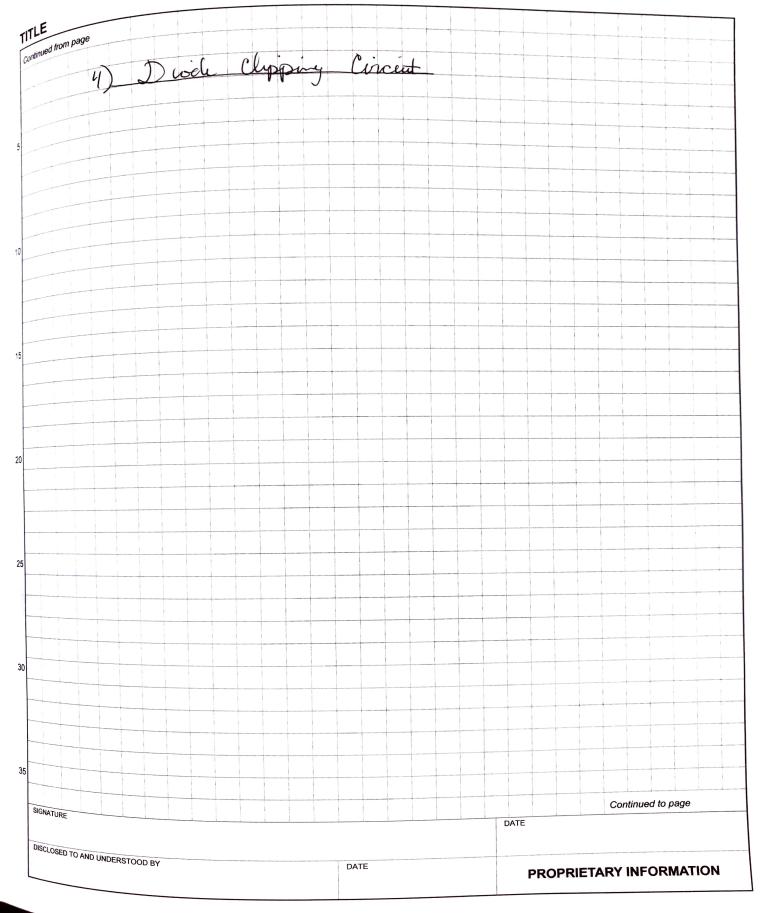
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ntinueu		0 (1			
	1) Have - W	ave Rectifi	er		
	O				-
					-
	without Filt	er Capacitus	With Filte	er Capacitor	
	consider measure	1 Comp Pres	Measure	el	
	Vuscens Vys CRMS		VOUTCOCO VRICE	pp) Ripple 7	
		4.67v			
	7.07 V	9			
	2) Jull-Wave	Rectifier			
	Without Jule	ing Copy Wit	h jetter cap		
	Con meas	one meas			
	Without 3	Iten Cap		With Filth C	mp
	computed near		comp meas	Neasweed	1 1
	VWICINS VWICIMS		ms Vout (D) Vont 4		ipple H7
			4.675V		
	7.07V	3.53v	5.15 1		
		•			
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- **40**BOOK PAGE

TITLE PROJECT Continued from page 3) Brideze Rectifier Wilhout Filter Cap 10 2.94 3v 7.07Y 15 20 25 30 35 Continued to page SIGNATURE DATE DISCLOSED TO AND UNDERSTOOD BY DATE PROPRIETARY INFORMATION

PROJECT



воок TITLE **PROJECT** Continued from page 5) Dude Clamping 5 10 15 20 25 30 35 SIGNATURE Continued to page DATE DISCLOSED TO AND UNDERSTOOD BY DATE PARATION

PROJECT BOOK PAGE TITLE Continued from page 6) Diode or Gate: Rotley Brokup Continued to page DATE SIGNATURE

PAGE BOOK TITLE Continued from page \$ 100g 7) Design Challenge Design 1 of the following

- a) AC/DC polarity indicater
5) Voltage level indicater c) Led brightness Control
d) Sisi-Color LEDS 10 e) Peak detector () Voltage Meettipleger a churching clipper 20 Source in D3 KK-25 - When D3 is on (+) polarity - When Dy is on (-) polationity polarity - possible modifications
- stack deades to make single voltage regulators
so you don't overvolta the LEDs. 30 35 SIGNATURE Continued to pa DATE DISCLOSED TO AND UNDERSOOD BY DATE MEORN

