



APPLICATION INFORMATION

THE RECTIFIER FILTER MODULE PERFORMS THE FUNCTION OF CONVERTING EITHER OF TWO A-C INPUTS INTO A CAPACITIVE FILTERED UNREGULATED D-C OUTPUT. THE FILTER IS USED AS AN INTERFACE BETWEEN THE IC3603A282 REGULATOR INVERTER MODULE AND THE D-C TO D-C CONVERTER SECTIONS OF 12, 28, OR 50 VOLT REGULATED POWER SUPPLIES. THE OUTPUT OF THE REGULATOR INVERTER IS SQUARE WAVE A-C. THE RECTIFIER FILTER CONVERTS THE OUTPUT OF EITHER OF TWO INVERTERS TO D-C THEREBY PROVIDING PROPER INPUT FOR THE REGULATED POWER SUPPLIES.

INPUTS

AC1 OR AC2: UP TO 100 VOLT A.C. 50 OR 60 CPS.

OUTPUT

+, -, GOOD FOR 10 AMP PROVIDED RIPPLE IS KEPT TO LESS THAN 6V P.P.

(NOTE RIPPLE IS MINIMIZED BY USING SQUARE WAVE A-C OR ADDING CAPACITANCE).

Apply 50 VAC RMS between terminals TB1 + TB2
Verify approx 68 VDC between Terminals TB5 - + TB6 +
Move 50 VAC input to terminals TB3 to TB4
Same output at TB5 + TB6

REV. 1 10-16-68	REV.	GENERAL ELECTRIC INDUSTRY CONTROL DEPT. SALEM, VA. U.S.A.	TITLE RECTIFIER FILTER	
REV. 3/10/70	REV.			
MADE BY W. C. TUCK	APPROVALS	PRINTS TO	DL88, 2520	IC3603A280
ISSUED Oct. 10, 1968				FL. 3.0 SH. NO.